

Fig. 1a

112

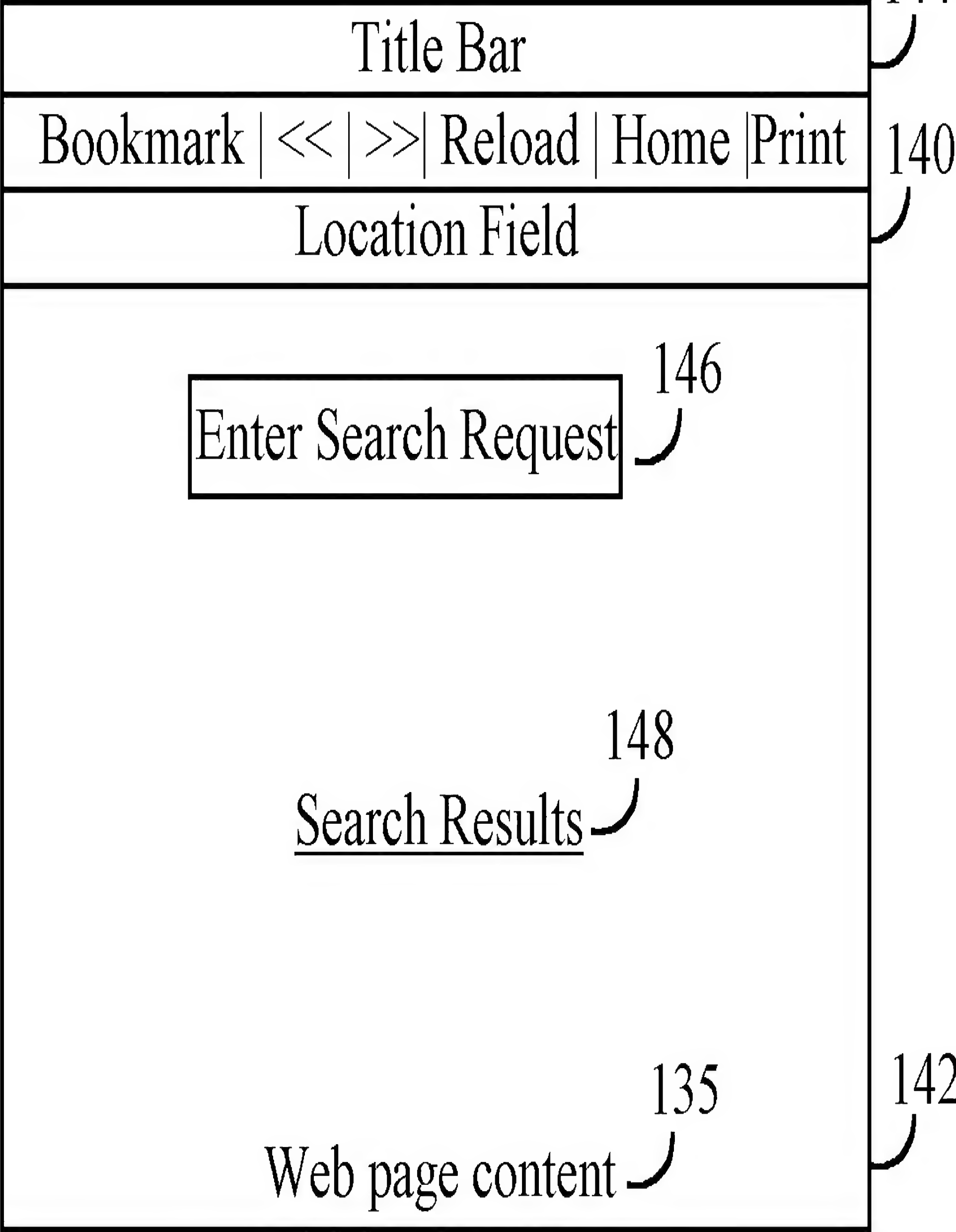


Fig. 1b

110/120

154

Memory

175

Information records

160

Back-Order
registry

162

FDN registry

164

Auction registry

166

Aftermarket
registry

168

Keyword
registry

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Prefix/Suffix
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Configuration
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generator

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Zone files
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with WHOIS

197

Identifier status
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198

Sitemap
database

199

Domain name
status database

156

Input/
Output

150

Processor

Fig. 1c

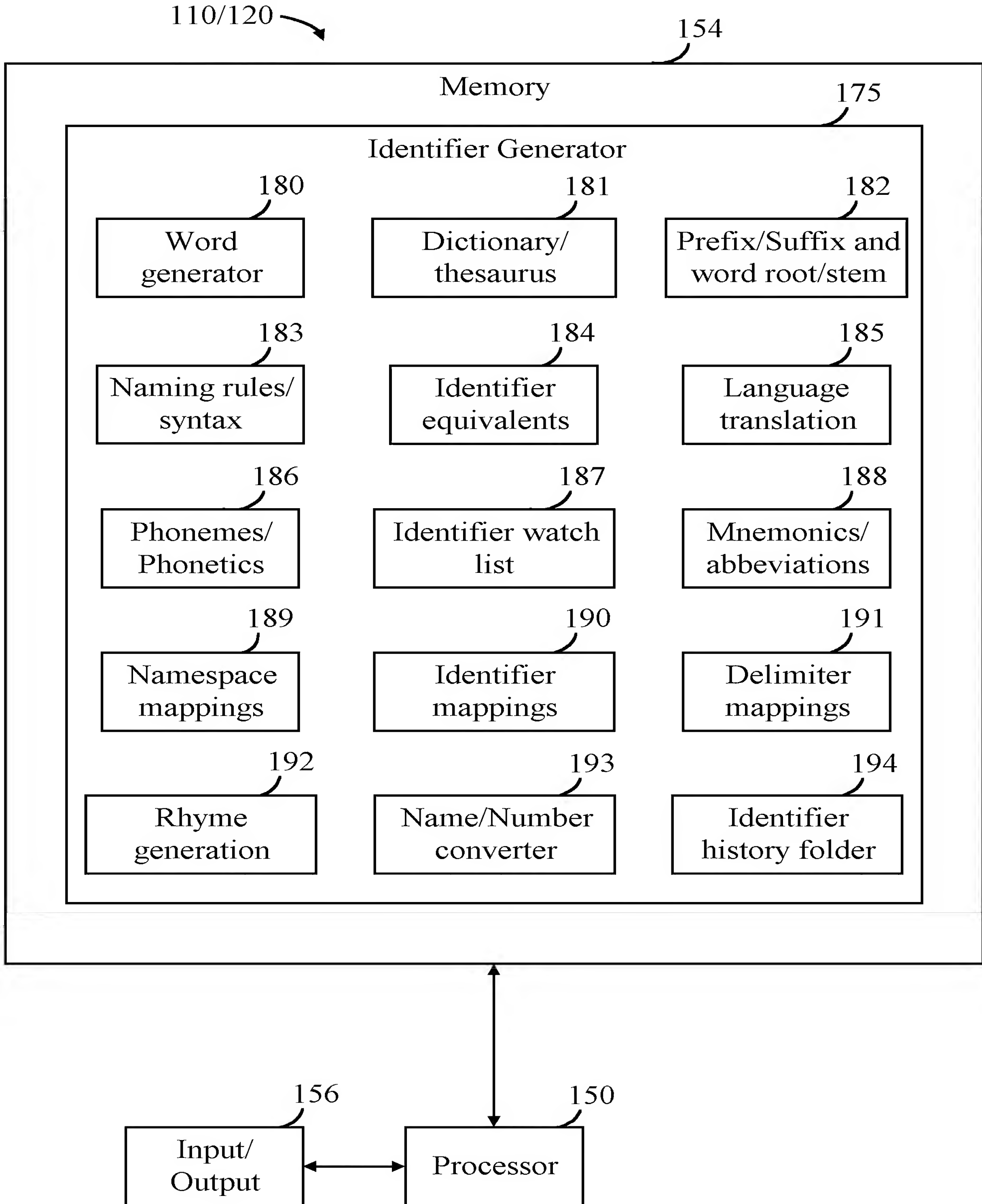
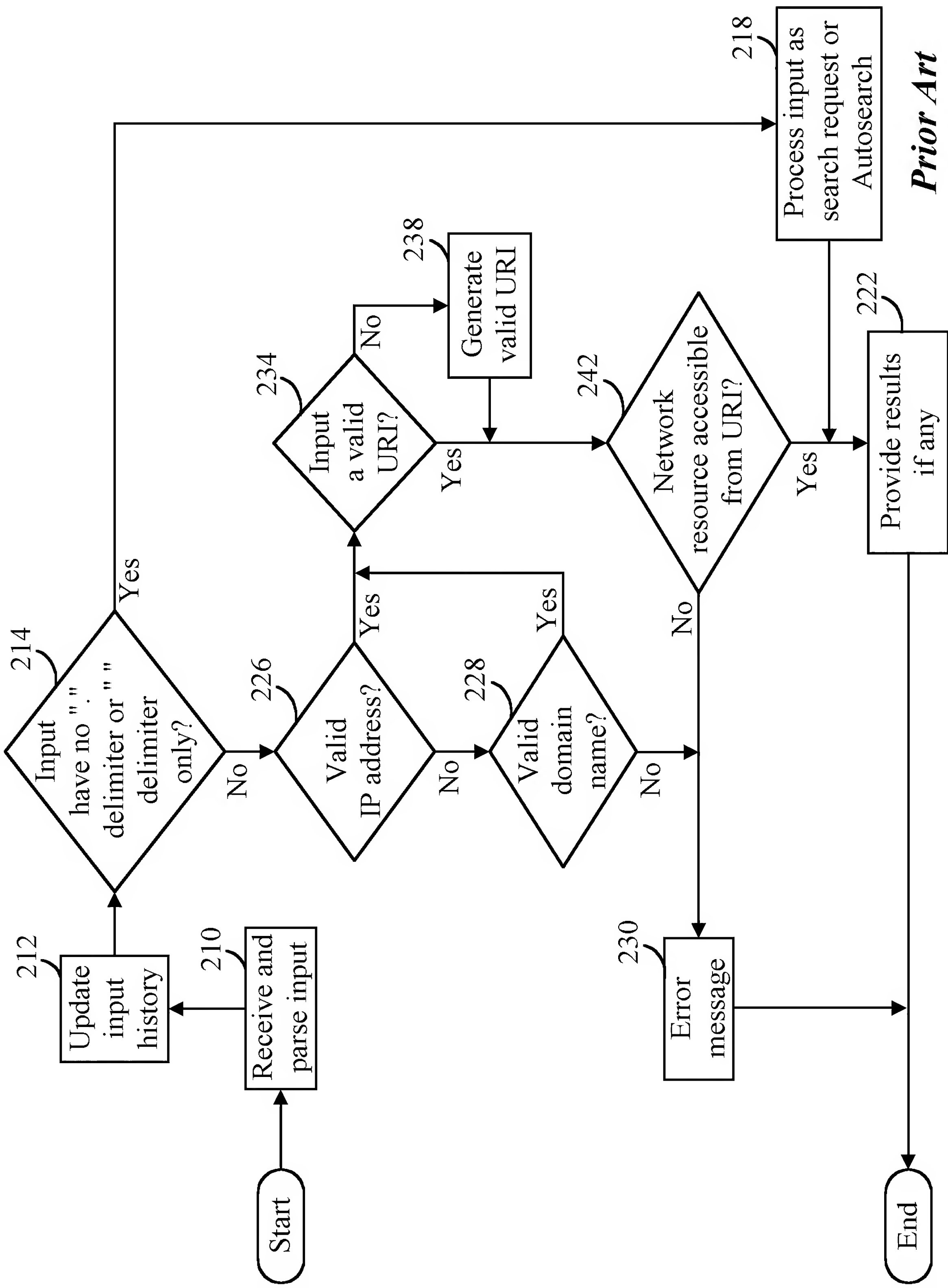


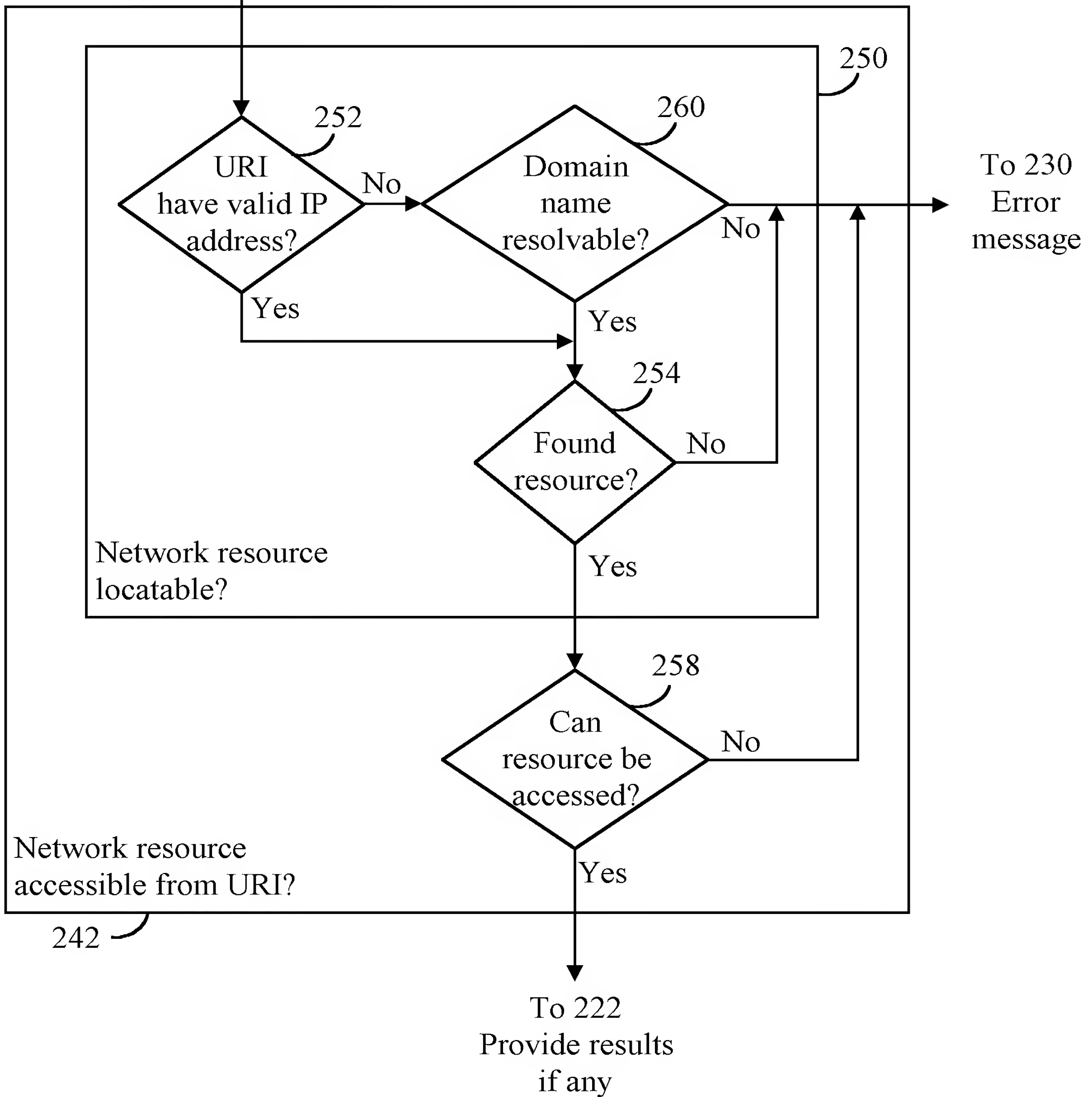
Fig. 1d



Prior Art

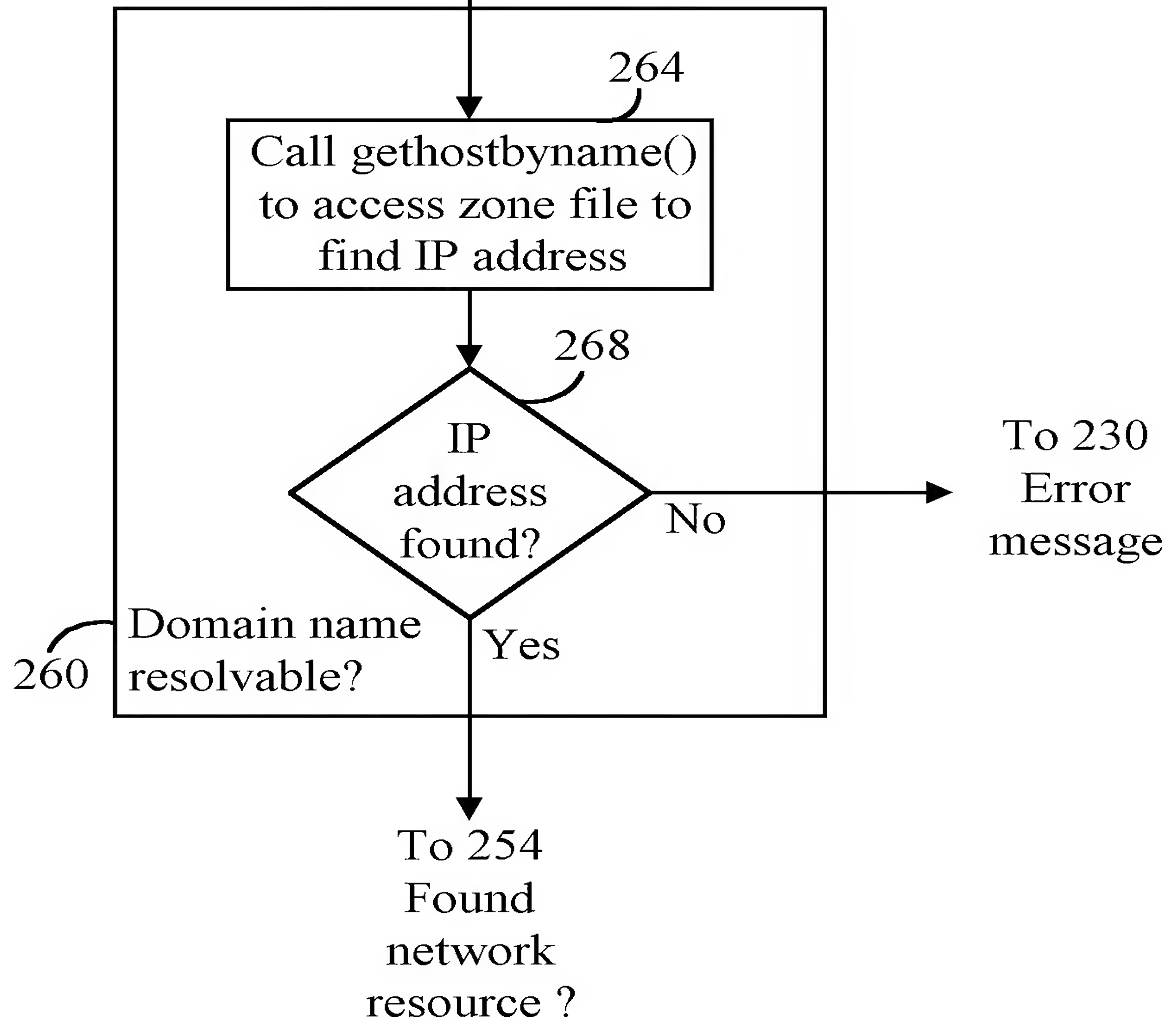
Fig. 2a

From 234 or 238
valid URI received
or generated

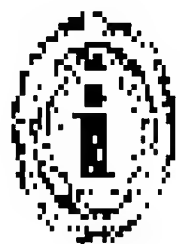


Prior Art
Fig. 2b

From 252
URI have valid IP
address? - No



Prior Art
Fig. 2c



We can't find "zipnames.com".

Click Go to try your address again.

zipnames.com



274

Or, correct the spelling of your address above and click Go.

278

Did you intend to go to one of these similar Web addresses?

- www.surnames.com
- www.iname.com

280

See more results for "zipnames.com" at MSN Search

Get [help](#).

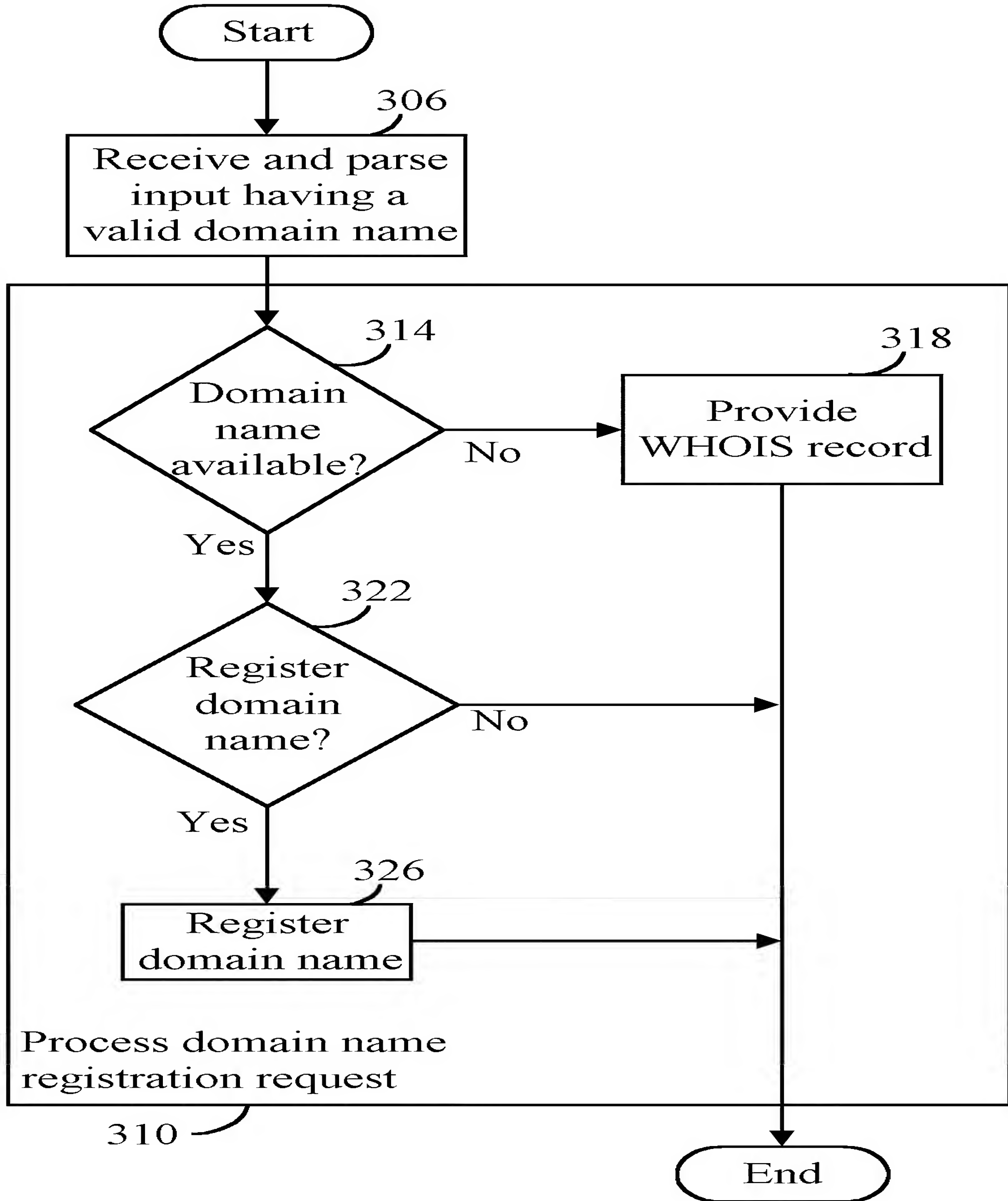
See [technical details](#).

Powered by:  [MSN Search](#)

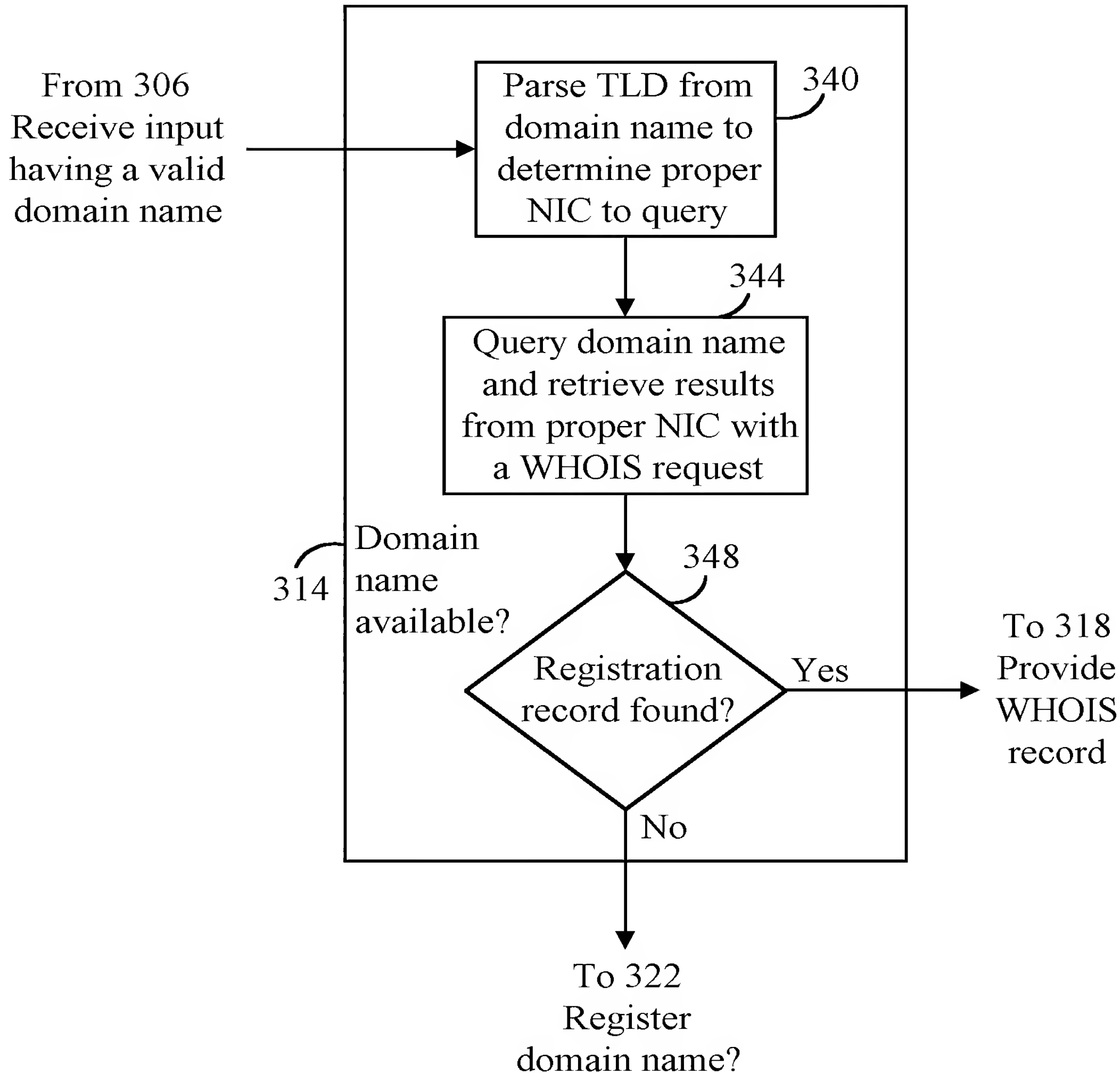
164/230

Prior Art

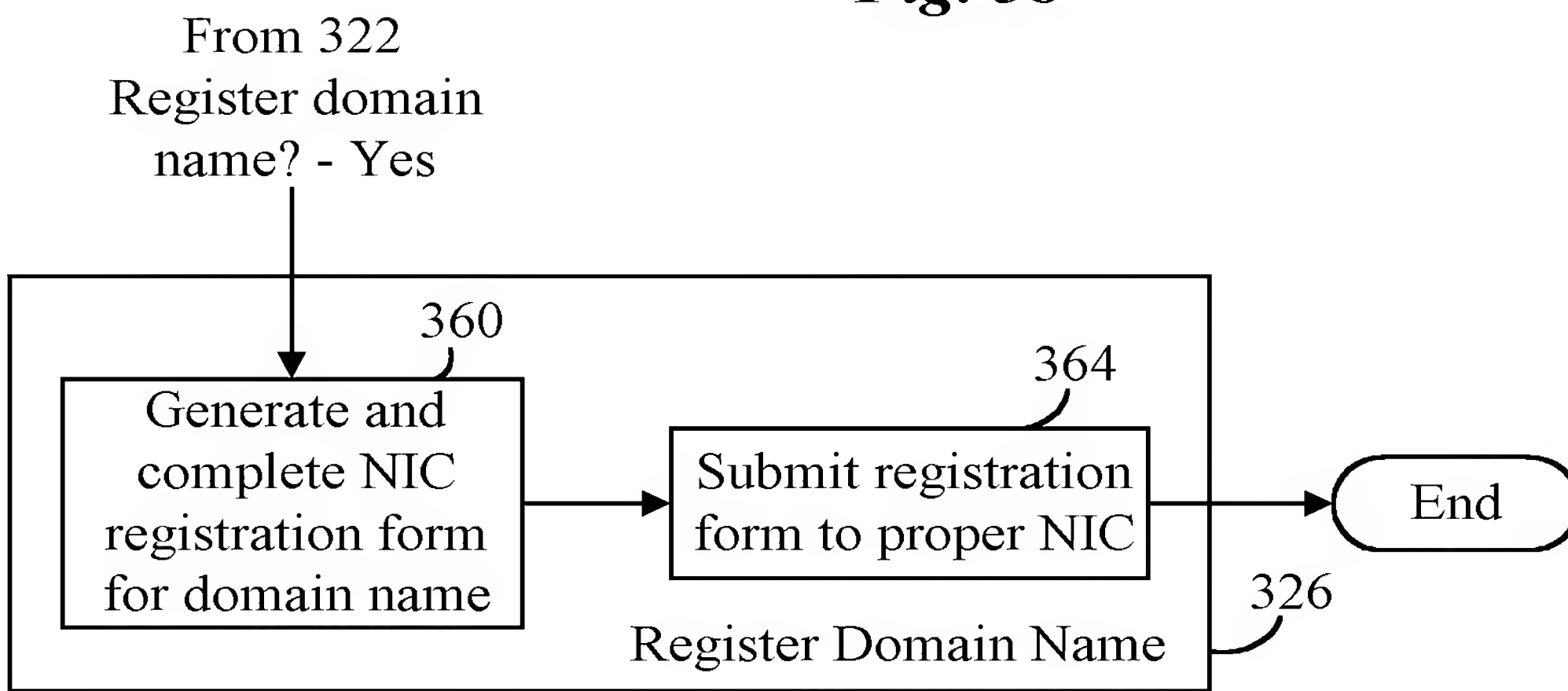
Fig. 2d



Prior Art
Fig. 3a



Prior Art
Fig. 3b



Prior Art
Fig. 3c

From 242 or 250 or 260
Network resource
accessible? - No

410
Process registration
request from at least
a portion of identifier

End

Fig. 4a

From 242 or 250 or 260
Network resource
accessible? - No

415
Present as part of a search page and/or error page, a
user interface element adapted to perform at least one
non-search request from at least a portion of the
identifier and/or any variant, related, associated, or
similar identifiers: at least one of an advertising
request, commerce request, navigation request,
identifier auction/aftermarket/appraisal/bid/
back-order request, a FDN search/registration/
resolution request, identifier generation/availability
request, WHOIS request, and/or registration request

End

Fig. 4b

From 242 or 250 or 260
Network resource
accessible? - No

416
Contemporaneously
process a search request
and registration request

End

Fig. 4c

From 242 or 250 or 260

Network resource
accessible? - No

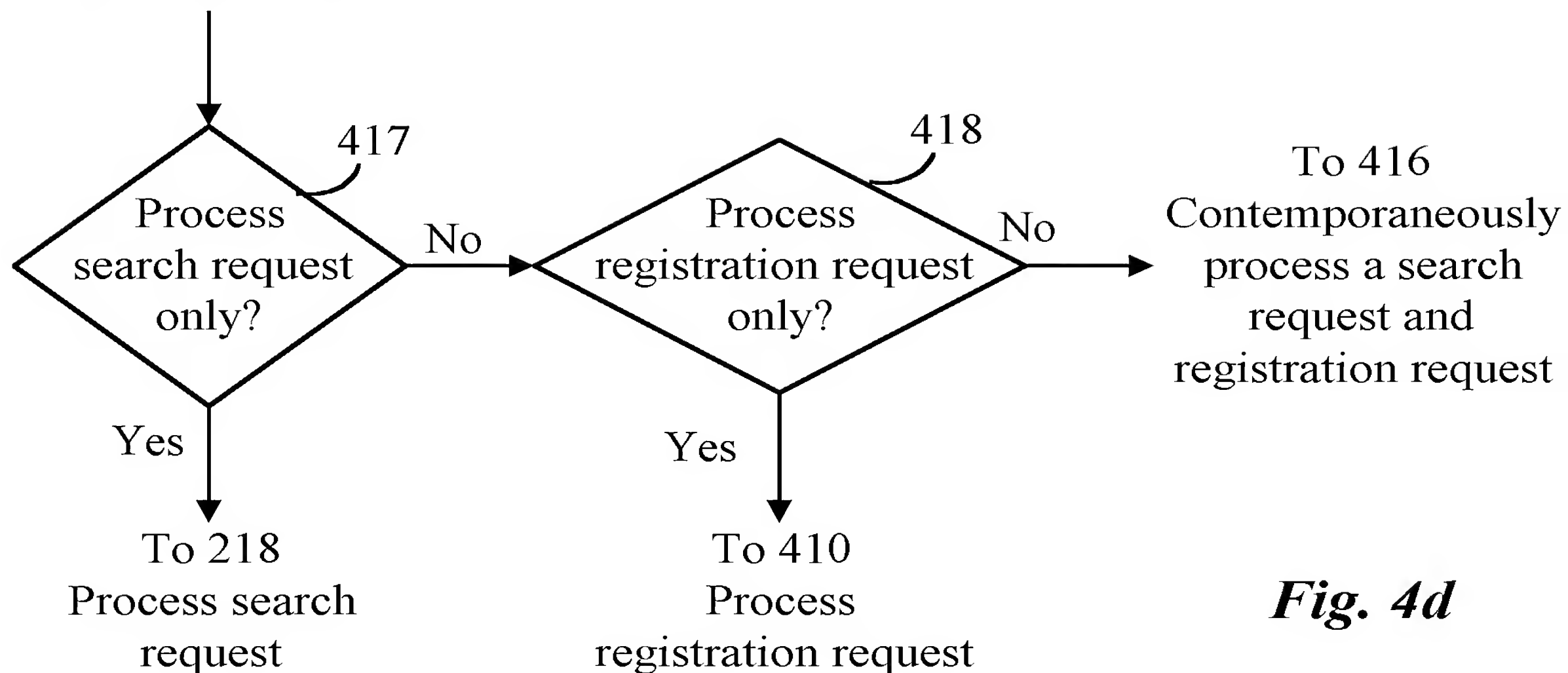


Fig. 4d

From 410 or 415
Process registration request
and/or present results from at
least a portion of identifier

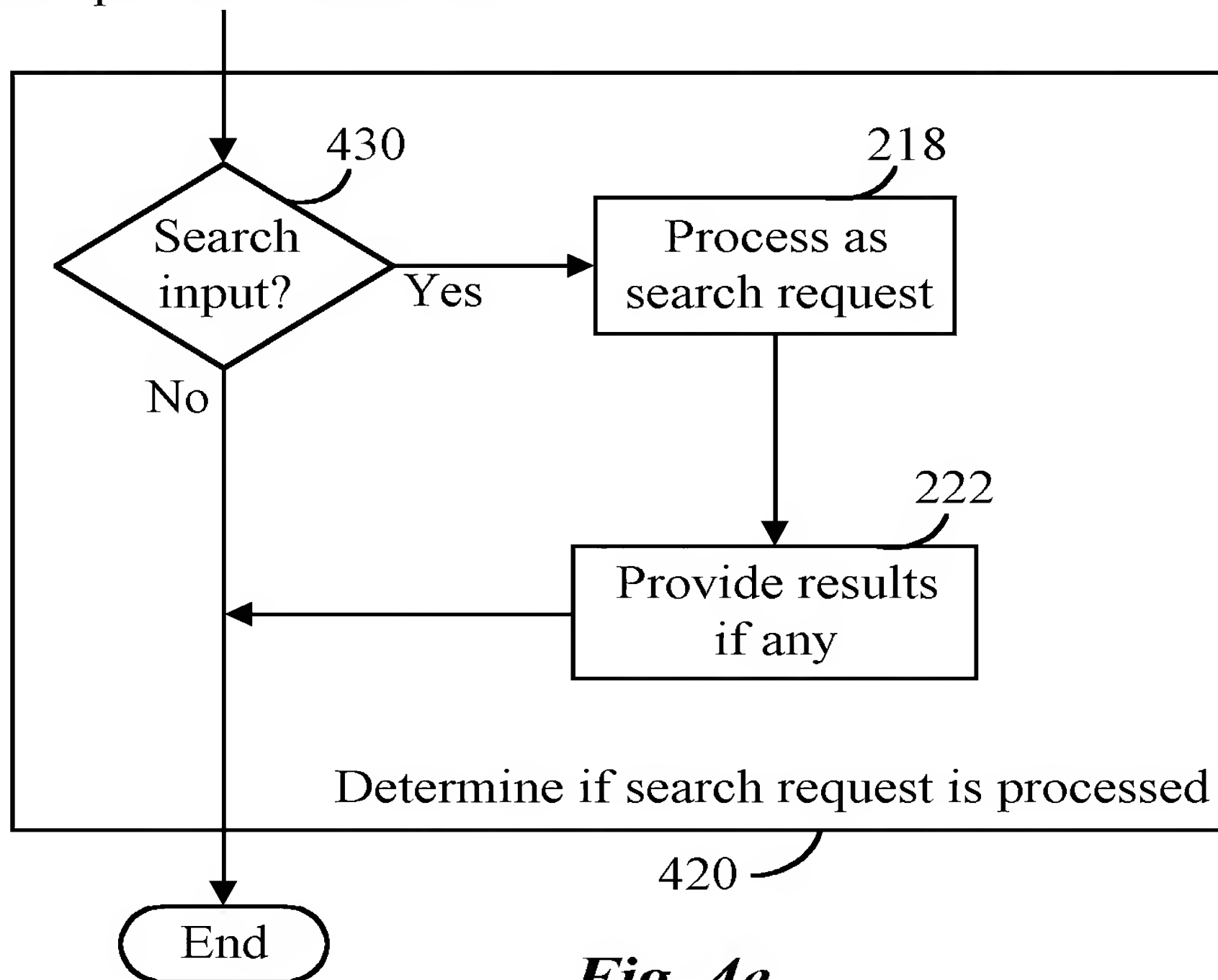


Fig. 4e



We can't find "zipnames.com".

Click Go to try your address again.

zipnames.com



274

Or, correct the spelling of your address above and click Go.

Did you intend to go to one of these similar Web addresses?

- www.surnames.com
- www.iname.com

See more results for "zipnames.com" at MSN Search

Get [help](#).

See [technical details](#).

Powered by:  [MSN Search](#)

Banner Ad:

Register zipnames.com right now!

438

Try navigating to a more specific resource within zipnames.com:

www.zipnames.com

440

[ftp.zipnames.com](ftp://ftp.zipnames.com)

sitemap.zipnames.com

442

Click here to see if zipnames.com is available for registration

The following names are available for registration as well:

444

[zipnames](http://zipnames.com) namezip.com getzipname.com zapnames.org

446

Try registering or navigating to the fictitious domain namezip.names

Click here to see if zipnames.com is available in other namespaces and naming systems.

448

450

Click here to learn more about any aftermarket information for zipnames.com including appraisal, monitoring, auctions, and preordering.

Zipnames.com is registered to ACME, Inc. Navigate to other ACME links acmenames.com zipproducts.com zapservices.com

164/230

Fig. 4f



We can't find "216.555.1234".

Click Go to try your address again.

Go

274

Or, correct the spelling of your address above and click Go.

See more results for "216.555.1234" at MSN Search

Get help.
See technical details.

Powered by:  **MSN Search**

Banner Ad:
Register your ENUM Today!

458

- Contact 216.555.1234 via phone
- Contact 216.555.1234 via fax
- Contact 216.555.1234 via pager
- Contact 216.555.1234 via cell

Login to MYENUM and
access phone bill or manage
subscription services such as
forwarding, voice mail, etc.

You can contact the party of 216.555.1212 at ICQ# 3141592653
or can reach the party of 216.555.1212 at IM Handle zipname

The following ENUM names are available for registration as well:
216.555.1233 330.555.1235 216.505.1234 800.555.1234

Try registering or navigating to the fictitious domain namezip.names

Click here to see if 216.555.1234 is available in other naming systems
or click to register the e-mail address: 216.555.1234@zipnames.com

Click here to learn more about any aftermarket information for
216.555.1234 including appraisal, monitoring, auctions, and backordering.

216.555.1234 is registered to ACME, Inc. Navigate to other ACME links
acmenames.com 216.555.2345 330.555.1234

Fig. 4g



We can't find "name.game".

Click Go to try your address again:



274

Or, correct the spelling of your address above and click Go.

You can also visit one of these related Web sites. [ABOUT](#)

- [Salon.com - The Name Game](#)
- [Restaurants & Institutions - Name Games](#)
- [Fall 2001: Show Overhauls - Zap2It.com](#)

See more results for "name.game" at MSN Search

Get [help](#):
See [technical details](#):

Powered by: MSN Search

Banner Ad:
Learn more about FDNs!

478

Click here to see if the FDN [name.game](#) is available for registration

480

The following names are available for registration as well:

482

[namegame](#) [namegame.info](#) [game.name](#)

Try registering or navigating to the domain name [namegame.com](#)

484

Click here to see if [name.game](#) is available in other namespaces and naming systems.

486

Click here to learn more about any aftermarket information for [name.game](#) including appraisal, monitoring, auctions, and backordering.

488

[name.game](#) is registered to ACME, Inc. Navigate to other ACME links [acmenames.com](#) [namegameworld.com](#)

492

Fig. 4h

Configuration Settings

174

Select Redirection Method

- ☐ Least Cost Registration Provider
 - ☐ Select Registration Provider from list
 - ☐ Random Registration Provider
 - ☒ Default Registration Provider
- licensedregistrar.com

General Features

510

- ☒ Enable Metalinks
- ☒ Enable keyword and subdomain generation
- ☒ Enable many identifiers across many naming systems
- ☒ Enable both search and registration features
- ☒ Enable fictitious domain name processing

Fig. 5a

Registration Provider	Price/Cost
reg1.com	\$35
reg2.com	\$30
reg3.com	\$32

178

524

528

Fig. 5b

From 242 or 250 or 260
Network resource
accessible? - No



540

174

Configuration
Settings

182

Template

Determine redirection method



410/415

Process registration
request from at least
a portion of URI



420

Determine if
search request
is processed



End

Fig. 5c

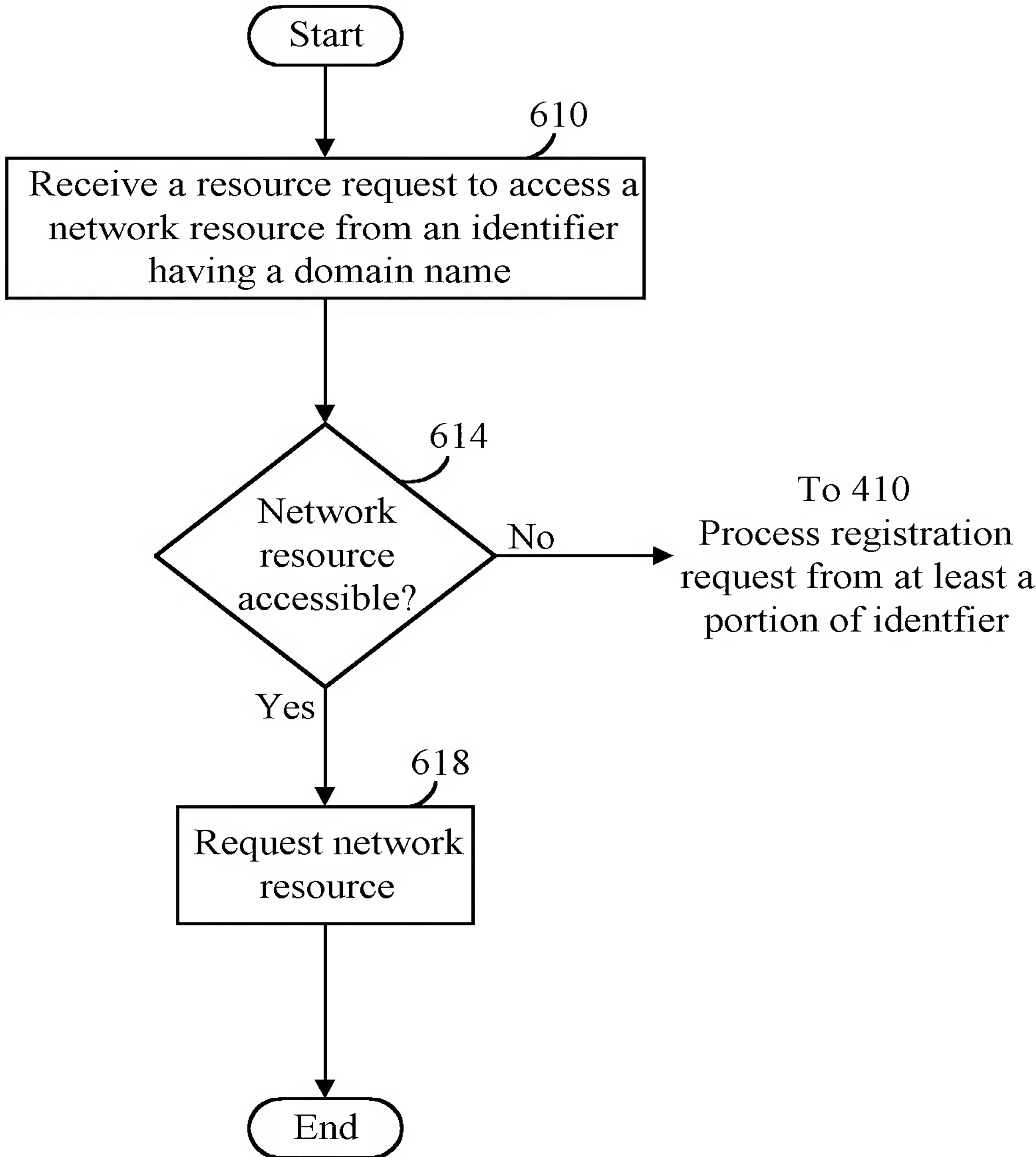


Fig. 6a

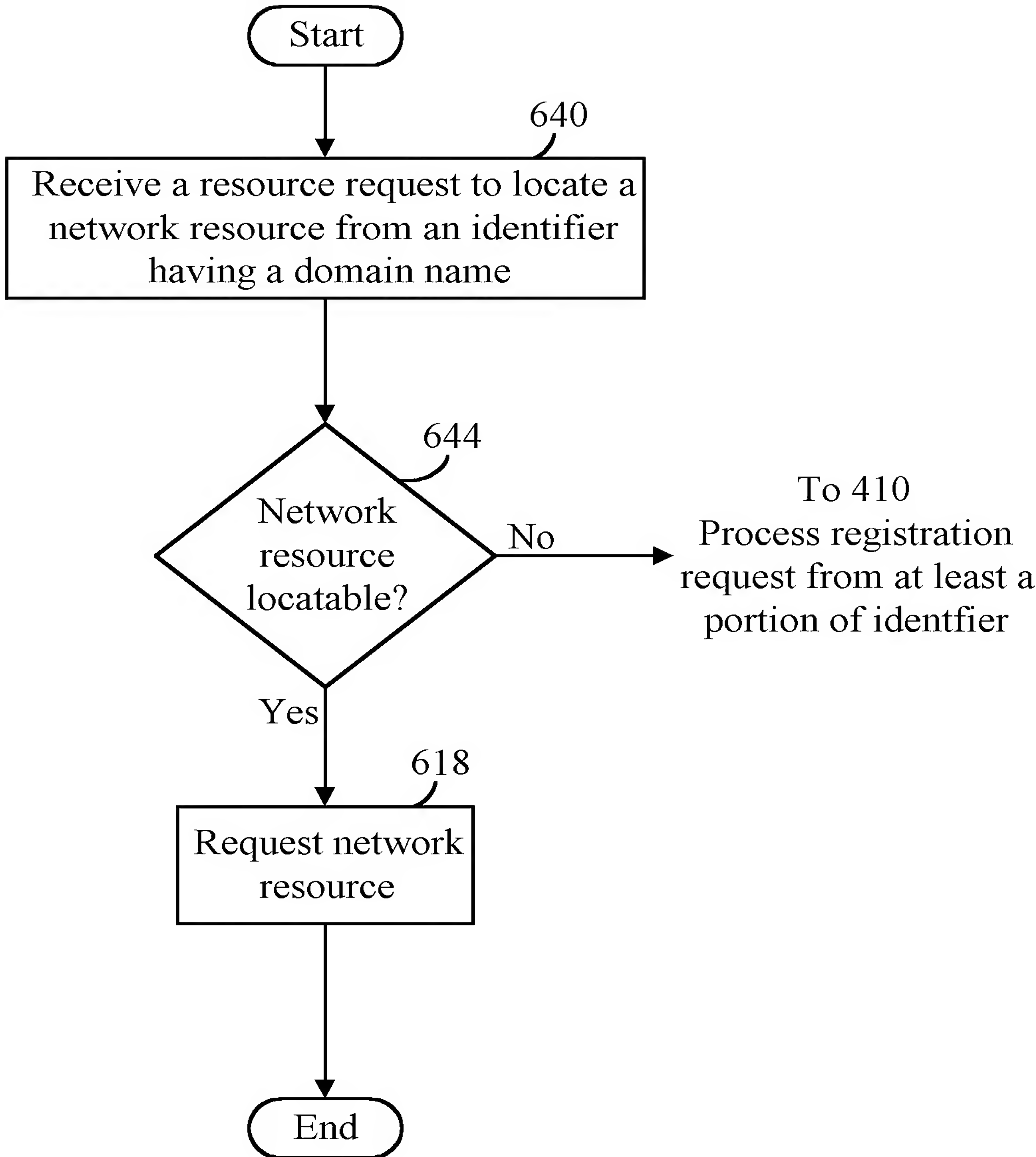


Fig. 6b

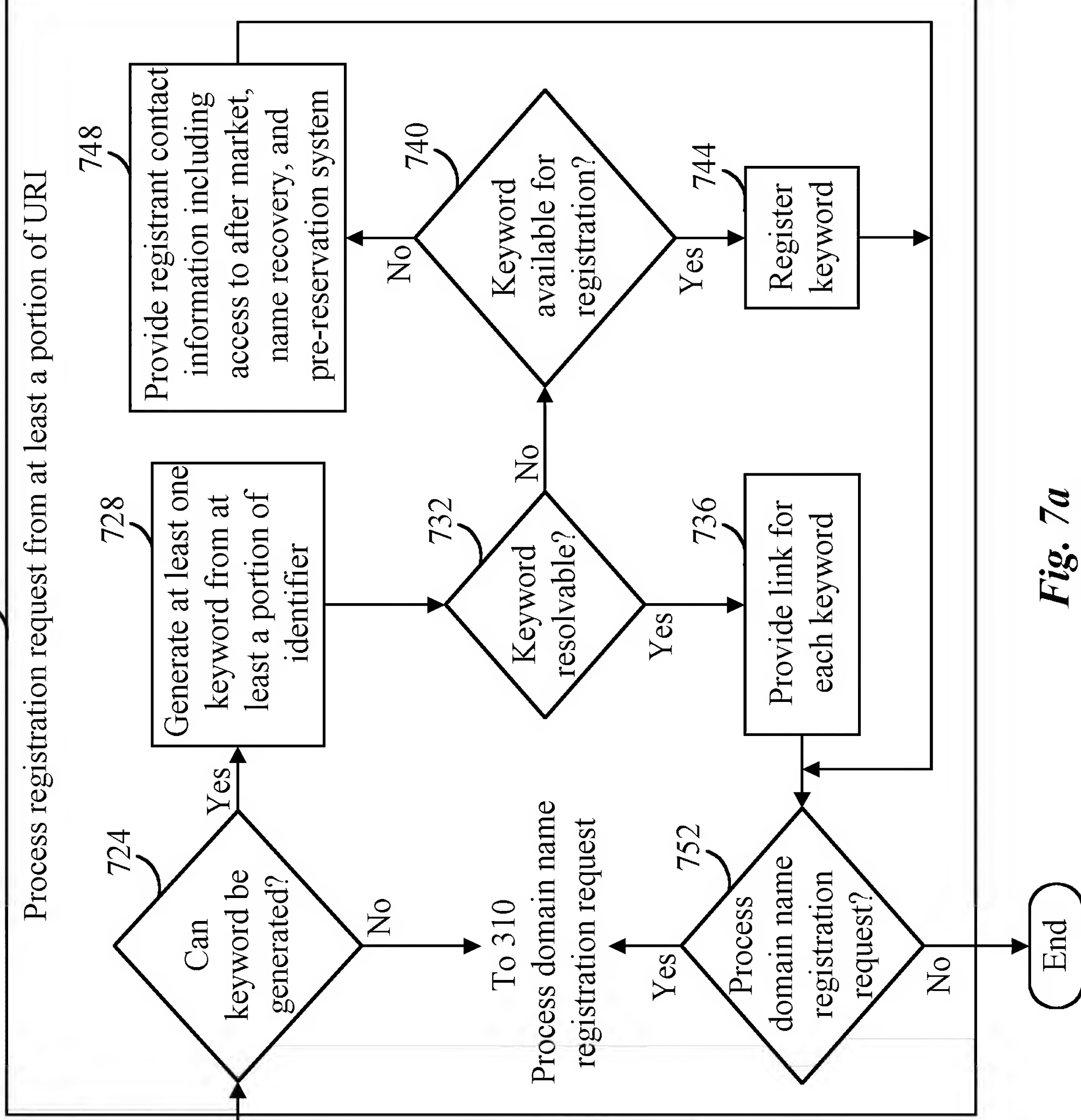
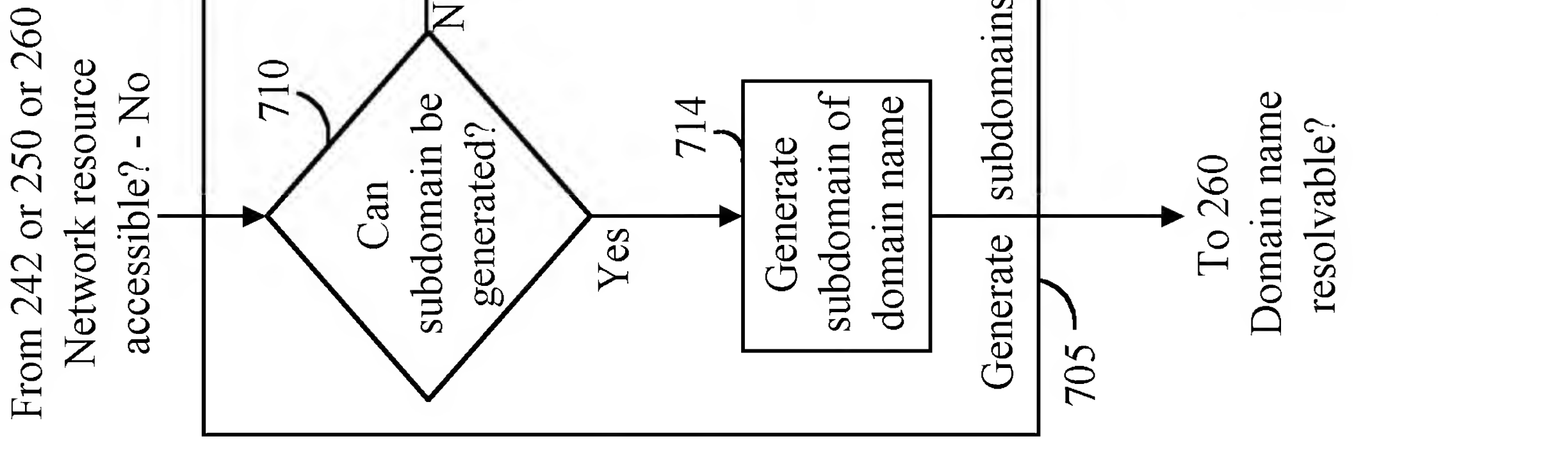


Fig. 7a

From 242 or 250 or 260
Network resource
accessible? - No

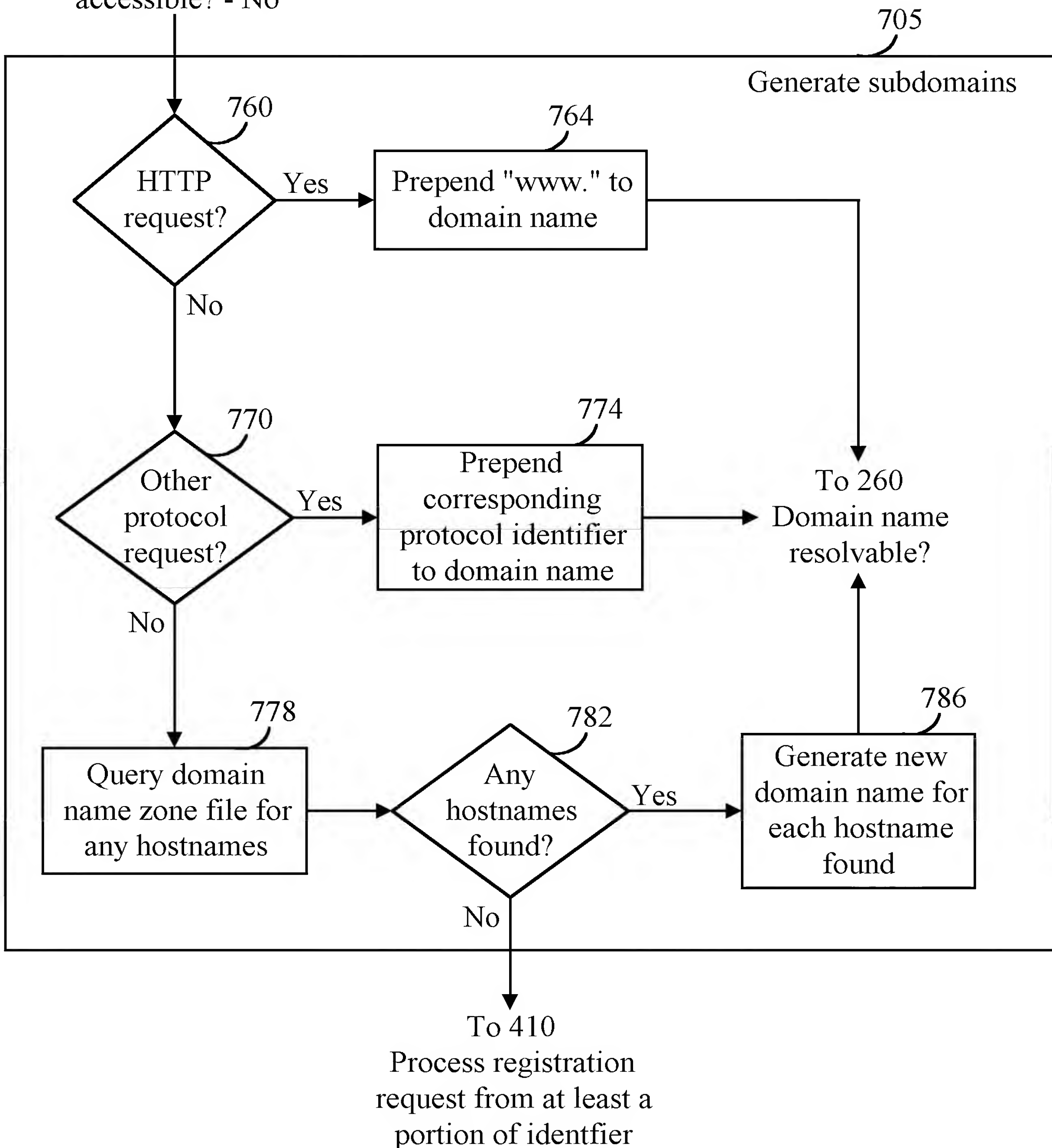


Fig. 7b

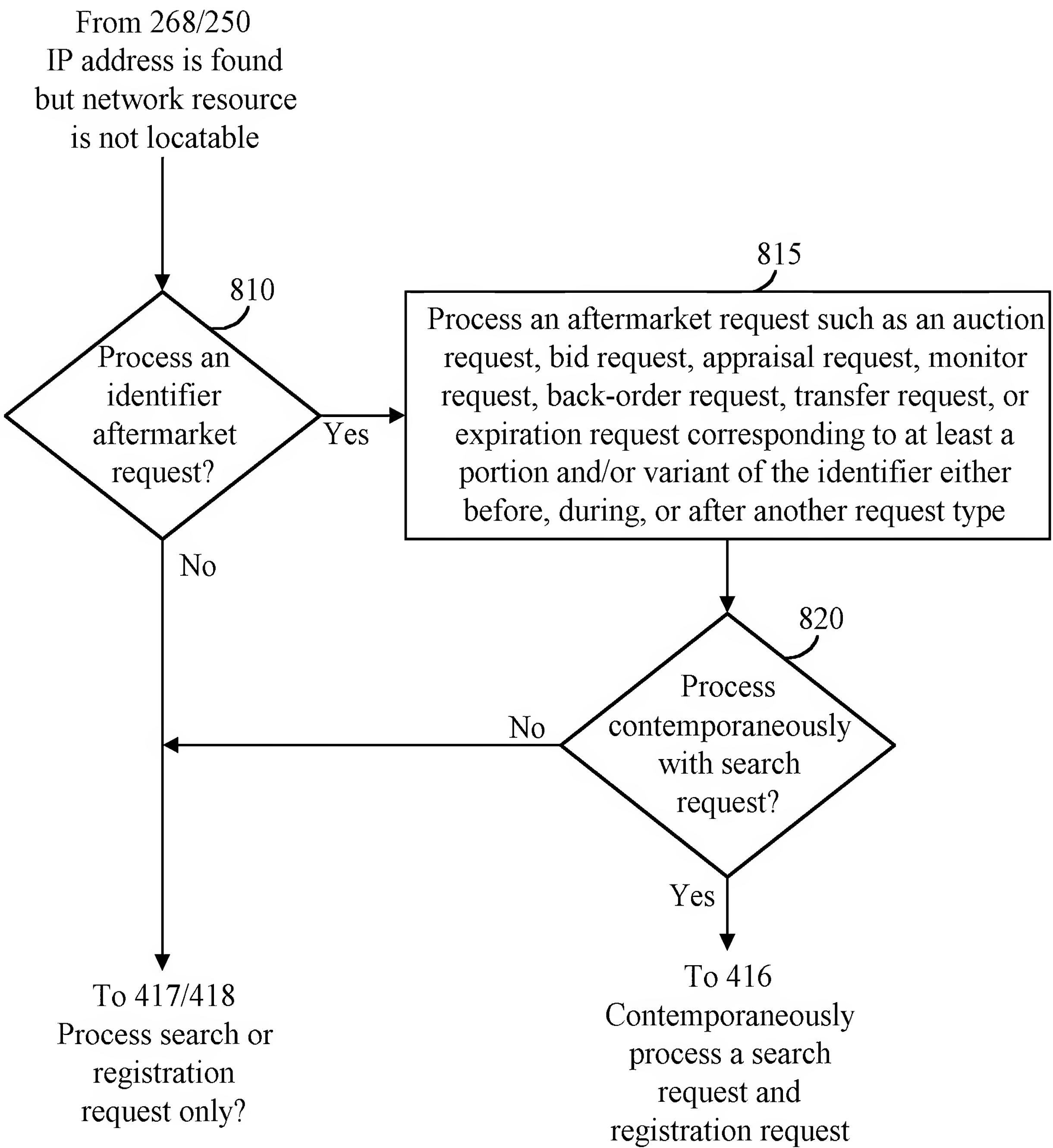


Fig. 8a

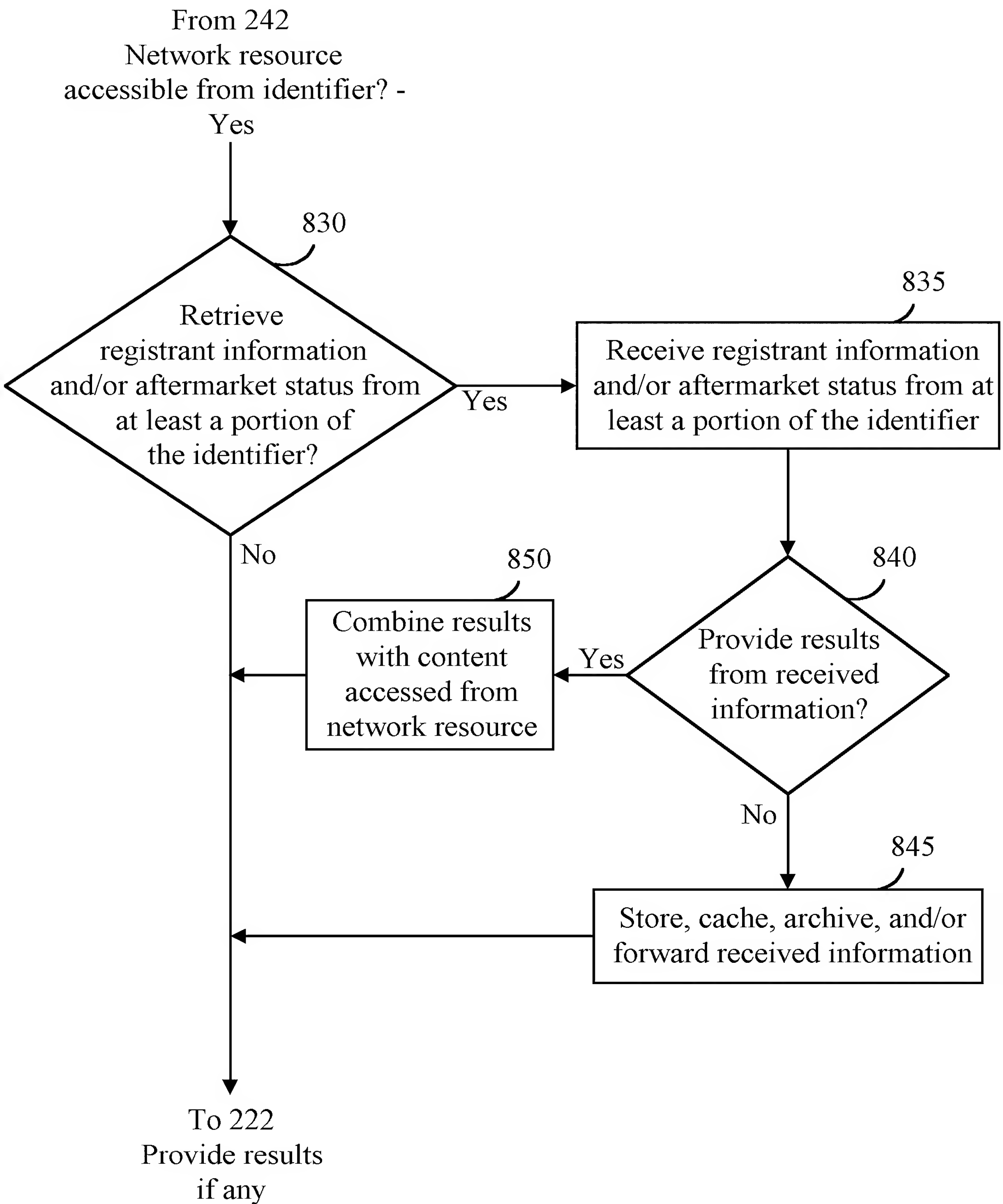


Fig. 8b

From 242 or 250 or 260
Network resource
accessible? - No

910

Generate from at least a portion of the URI, identifiers such as keywords, trademarks, valid domain names, and fictitious domain names including international domain names, numerical domain names (NDNs), postal code domain names, hybrid domain names, and domain names having a domain alias such as a TLDA

920

Provide an identifier registration form for all identifiers that are determined available for registration and provide registrant contact information for all identifiers that have been registered by a registration provider with the option to auction, bid, monitor, list, and back-order such identifiers

End

Fig. 9a

UNames Identifier Registration Form

Congratulations!! example.com is available for registration. 930
Please provide your Registrant information by [clicking here!](#)

Below is a list of other identifiers that are currently available.
Please select which identifiers that you would like to register.

<input checked="" type="checkbox"/>	example.com	
<input type="checkbox"/>	example.sitemap	
<input checked="" type="checkbox"/>	example.44106	
<input type="checkbox"/>	example.news	935
<input checked="" type="checkbox"/>	exampleco	
<input type="checkbox"/>	216.555.2345	

Please provide any keywords or descriptors that you would like to put in your watch list so that we may be able to inform you of any available identifiers that may become available in the future.

By using the watch list you may also stay current on what identifiers your competition may be registering.

Enter the identifiers that are registered by your competitors and enter any geographic, psychographic, and/or demographic information here including any keywords of interest for yourself and your competition.

<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>

940
945
[Click here](#) to receive any suggested identifiers based on your registrant information and/or any selected categories of interest to help make your watch list selection.

Submit

Reset

Fig. 9b

```
<html><body>
<pre>
Registrant:
Internet Assigned Numbers Authority (<A href="whois?EXAMPLE-DOM">EXAMPLE-DOM</A>)
4676 Admiralty Way, Suite 330
Marina del Rey, CA <a href="http://tlda.com/cgi-bin/map.cgi?zip=90292">90292</a>
US
Domain Name: <a href="http://www.example.com">EXAMPLE.COM</a>
Administrative Contact, Technical Contact, Zone Contact:
Internet Assigned Numbers Authority (<A href="whois?IANA">IANA</A>) iana@IANA.ORG
<a href="tel:+13108239358">310-823-9358</a>
<a href="fax:+13108238649">Fax- 310-823-8649</a>
Record last updated on 14-Jun-99.
Record created on 14-Aug-95.
Database last updated on 11-Aug-99 03:52:52 EDT.
Domain servers in listed order:
VENERA.ISI.EDU
NS.ISI.EDU
</pre>
<a href="http://tlda.com/cgi-bin/monitor.cgi?dn=example.com">Put EXAMPLE.COM in Watch List</A><BR>
<a href="http://tlda.com/cgi-bin/auction.cgi?dn=example.com">Aftermarket information for EXAMPLE.COM</A>
</body></html>
```

Fig. 9c

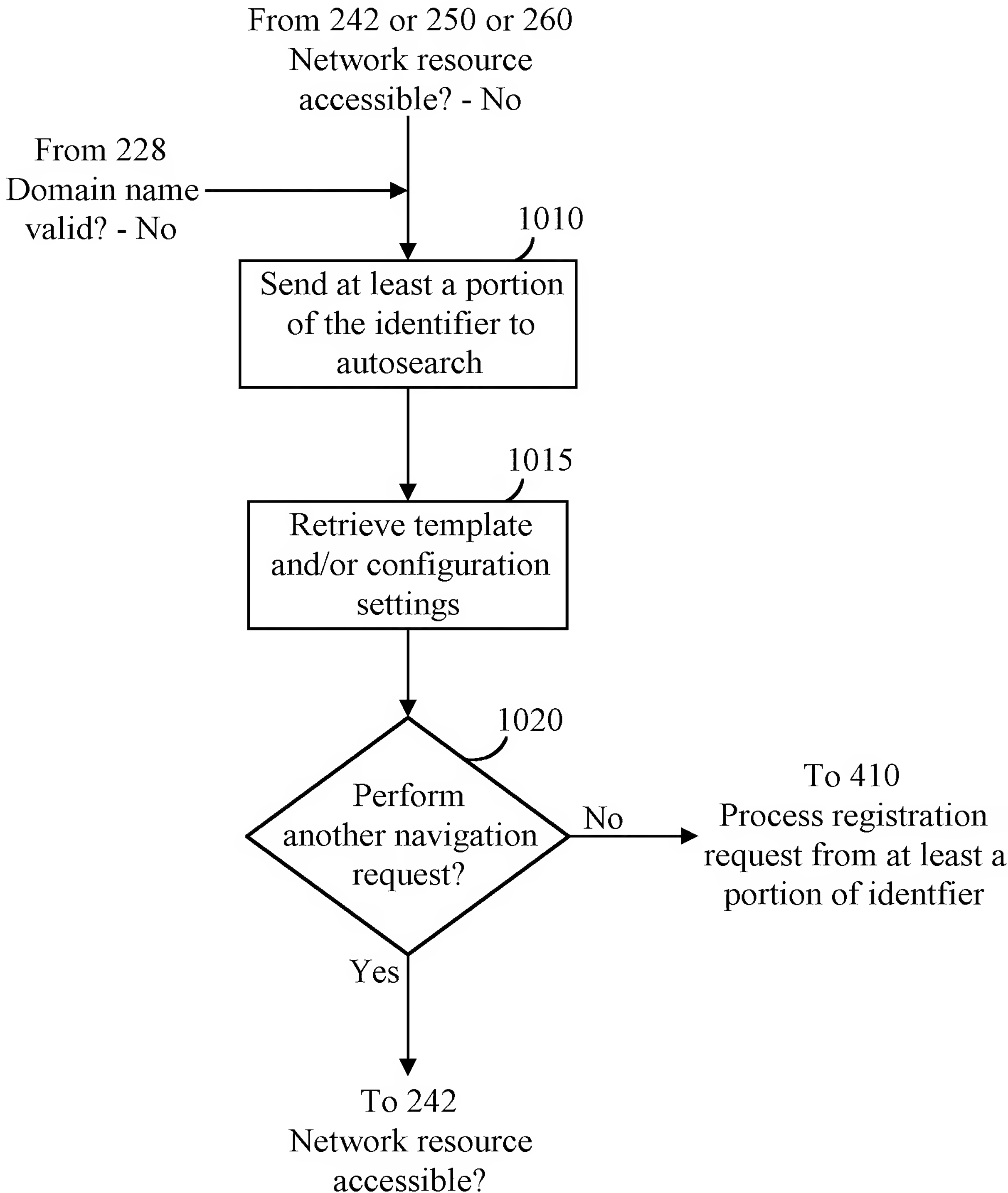


Fig. 10a

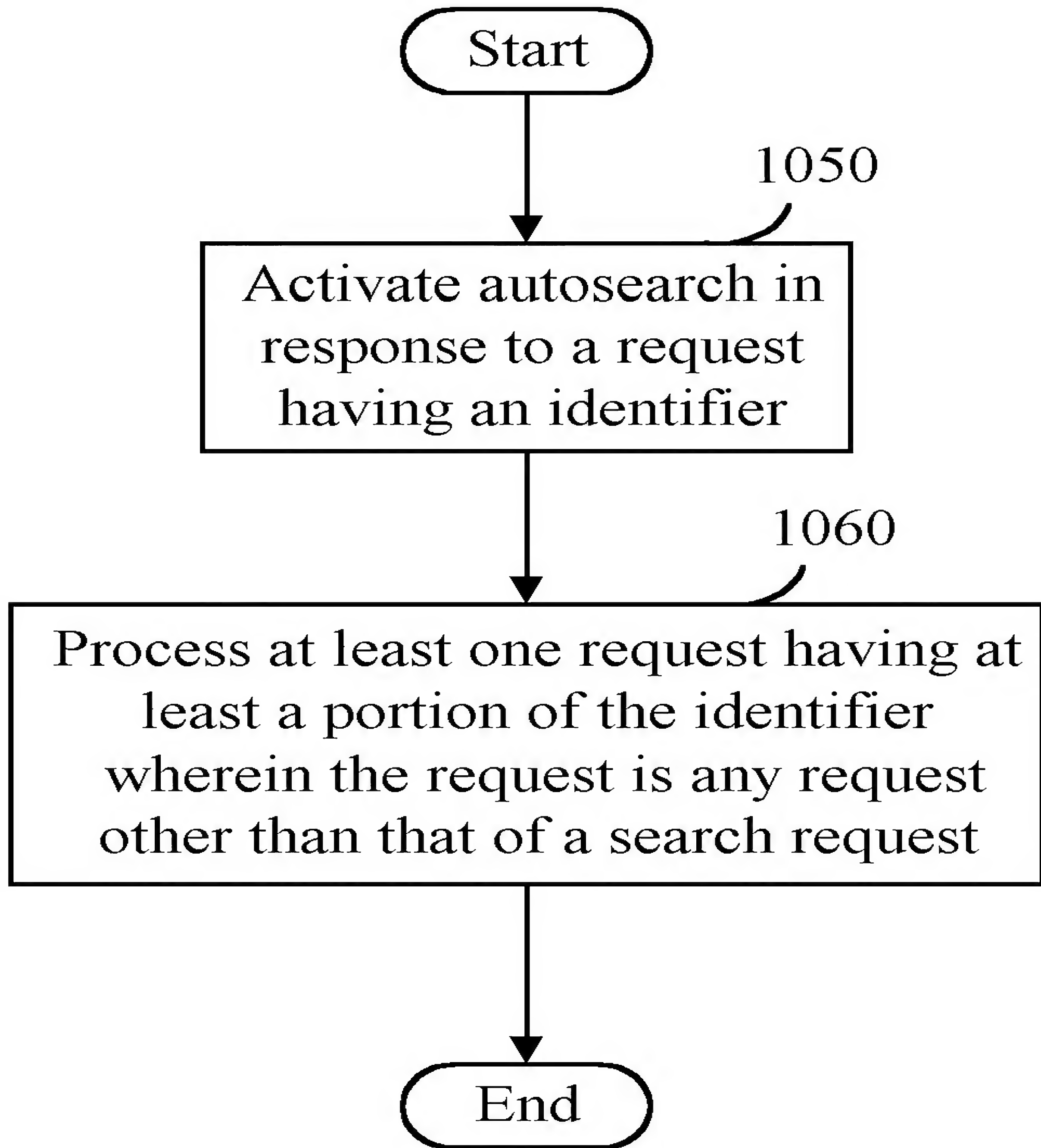


Fig. 10b

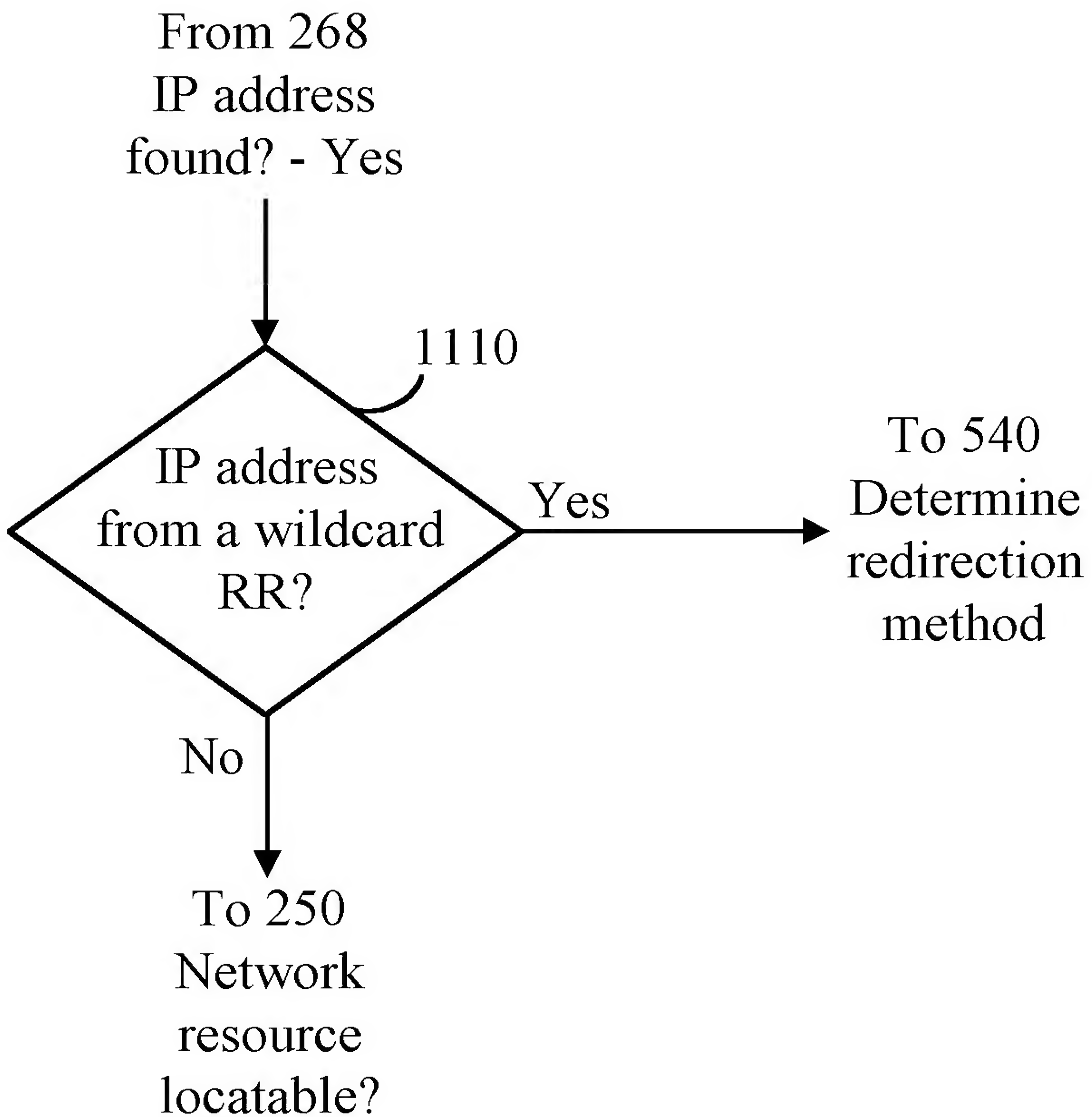


Fig. 11a

; The use of the Data contained in Network Solutions' aggregated
; .com, .org, and .net top-level domain zone files (including the checksum
; files) is subject to the restrictions described in the access Agreement
; with Network Solutions.

```
NET. IN SOA A.ROOT-SERVERS.NET. hostmaster.nsiregistry.net. (  
    2000090600 ;serial  
    1800 ;refresh every 30 min  
    900 ;retry every 15 min  
    604800 ;expire after a week  
    86400 ;minimum of a day  
    )
```

```
NET. 518400 IN NS A.ROOT-SERVERS.NET.  
NET. 518400 IN NS E.GTLD-SERVERS.NET.  
NET. 518400 IN NS F.GTLD-SERVERS.NET.  
NET. 518400 IN NS F.ROOT-SERVERS.NET.  
A.ROOT-SERVERS.NET. 518400 IN A 198.41.0.4  
E.GTLD-SERVERS.NET. 518400 IN A 207.200.81.69  
F.GTLD-SERVERS.NET. 518400 IN A 198.17.208.67  
F.ROOT-SERVERS.NET. 518400 IN A 192.5.5.241  
GLOBALMAILING.NET. 172800 IN NS NS.DANDY.NET.  
GLOBALMAILING.NET. 172800 IN NS NS.WJSE.COM.  
DIFFERENCE-ENGINE.NET. 172800 IN NS NAPLES.NETWIDE.NET.  
DIFFERENCE-ENGINE.NET. 172800 IN NS ROME.NETWIDE.NET.  
YOUTHPIECE.NET. 172800 IN NS NS1.AOSOFT.COM.  
YOUTHPIECE.NET. 172800 IN NS NS2.AOSOFT.COM.
```

; Add wildcards to redirect all otherwise unresolvable .NET Names
; to a market driven registration site such as REGISTRARPORTAL.COM
; use 2 lines to point to a DN and glue record for IP address

```
*. 172800 IN NS REGISTRARPORTAL.COM. ————— 1120  
REGISTRARPORTAL.COM. 172800 IN A 123.45.67.89  
; or could simply have one line  
; *. 172800 IN A 123.45.67.89  
; or  
; * 172800 IN A 123.45.67.89
```

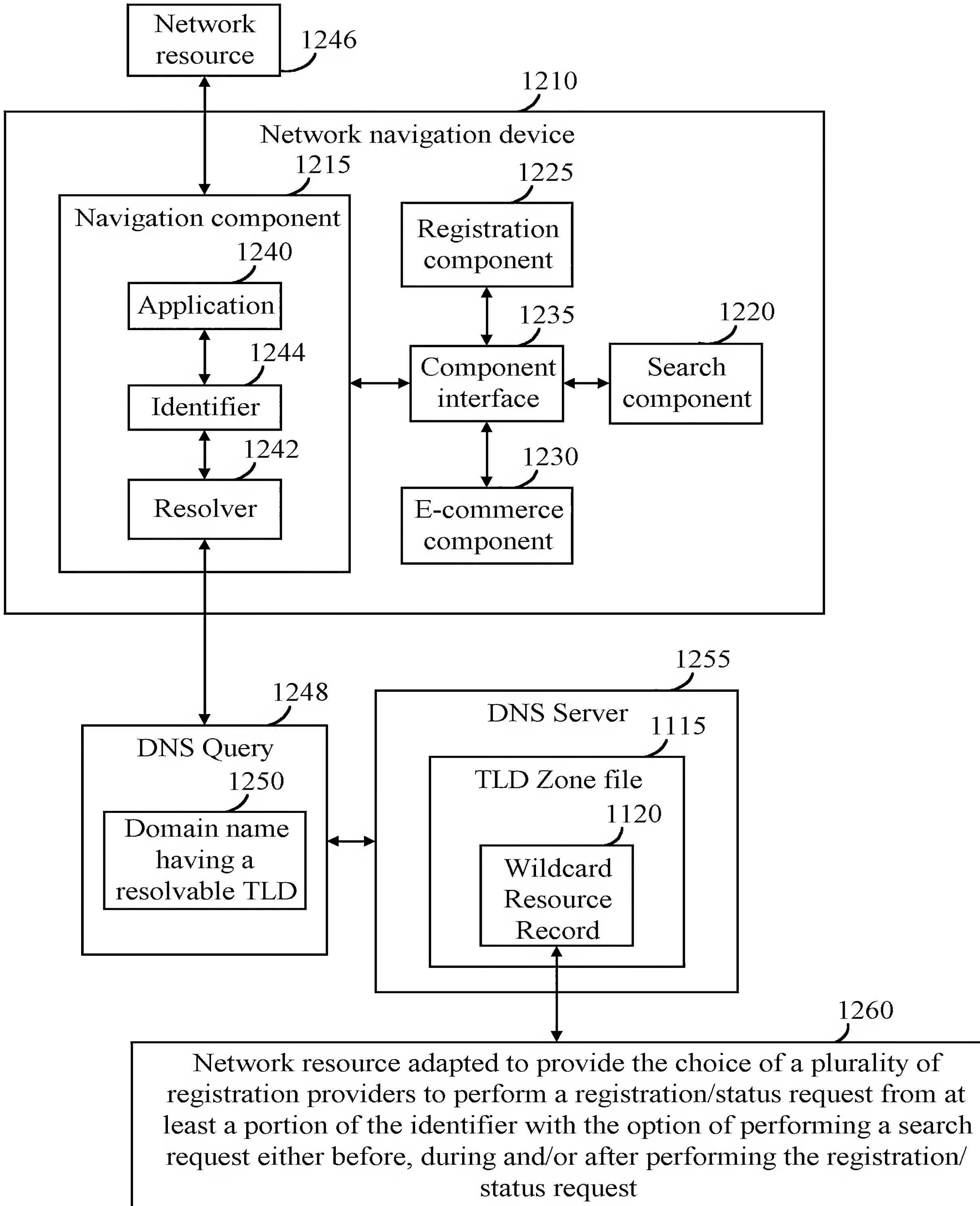


Fig. 12

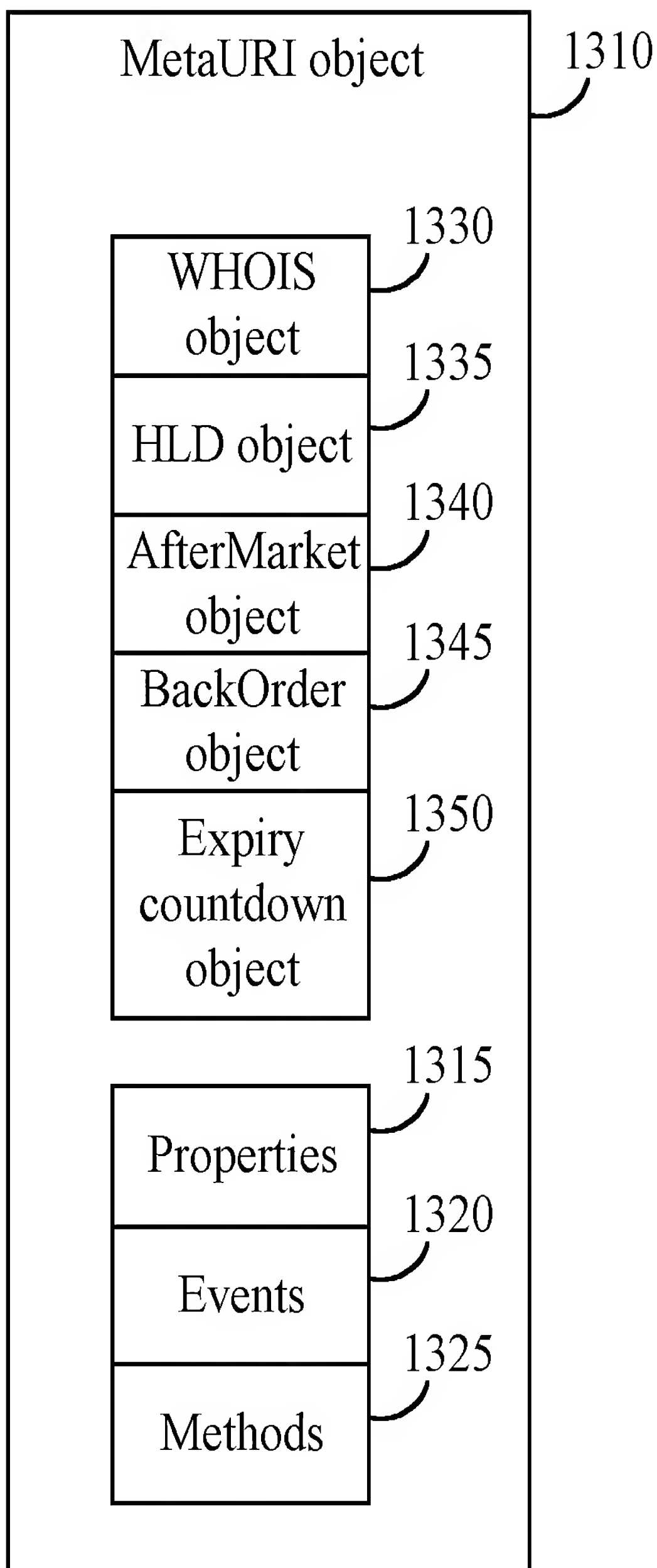


Fig. 13a

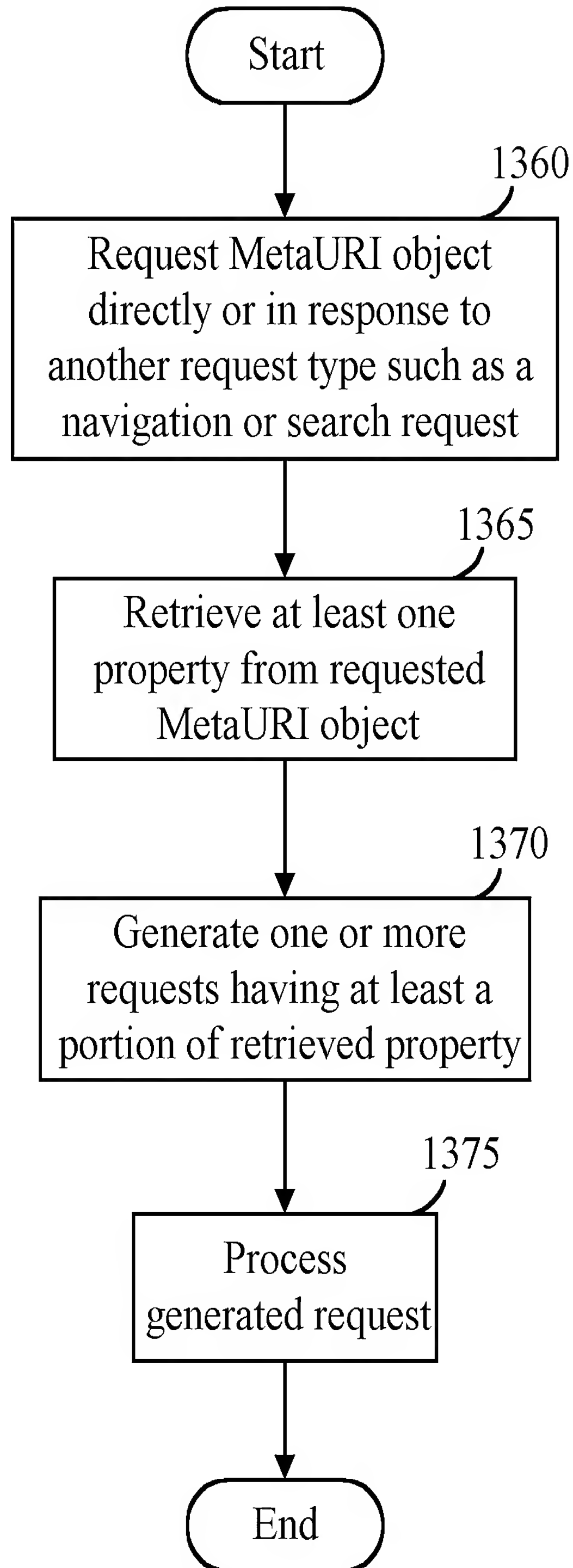


Fig. 13b

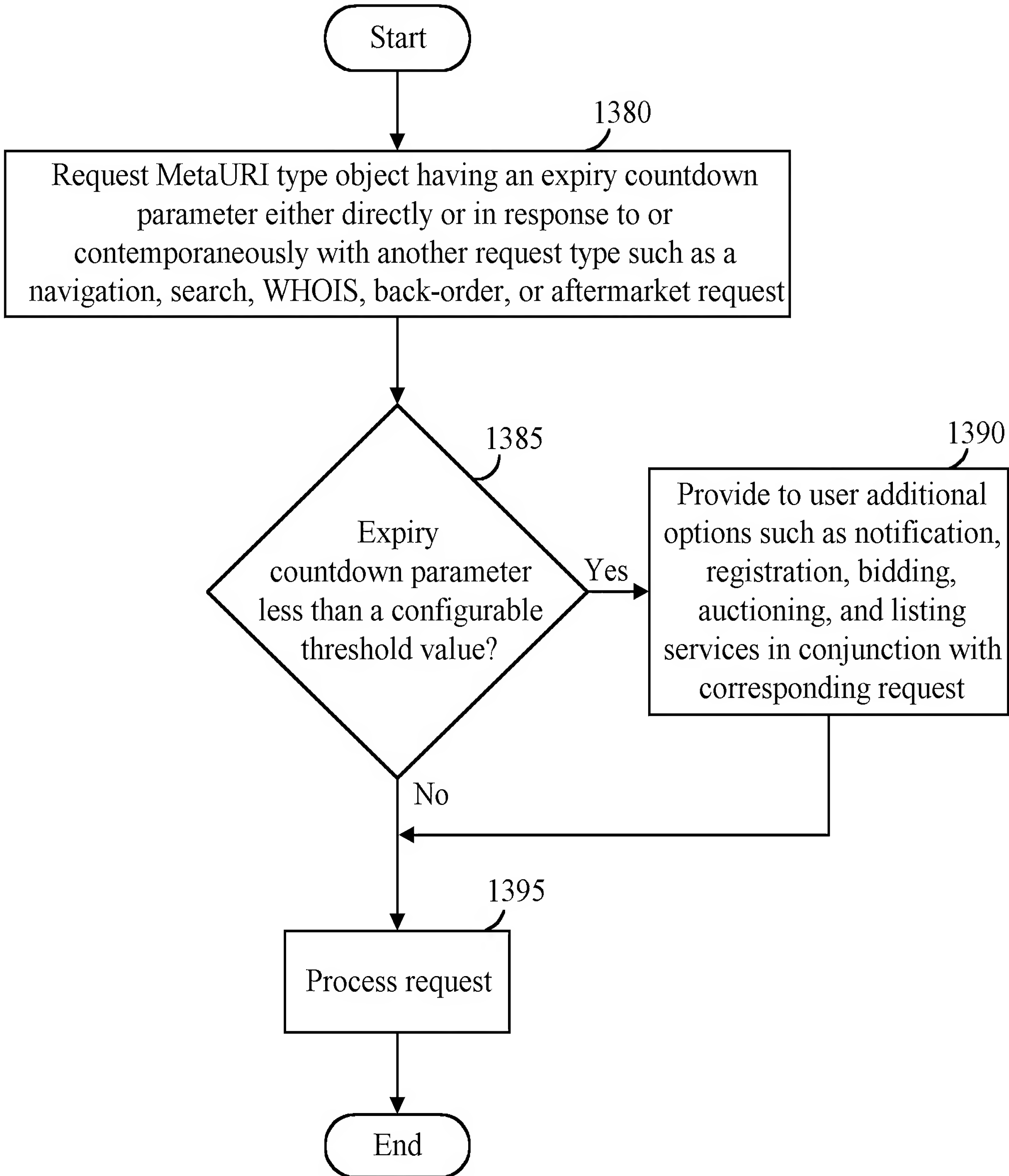


Fig. 13c

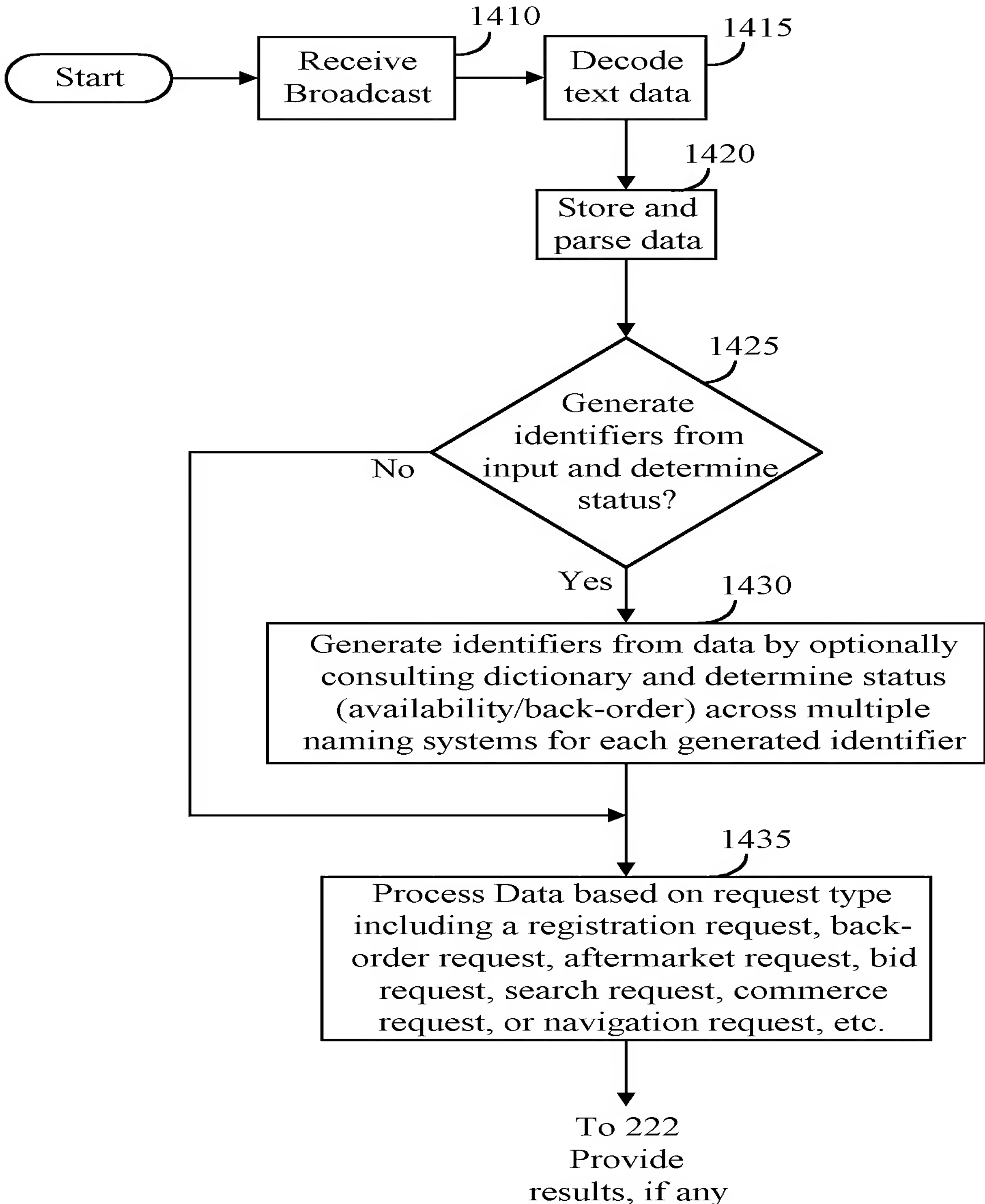


Fig. 14a

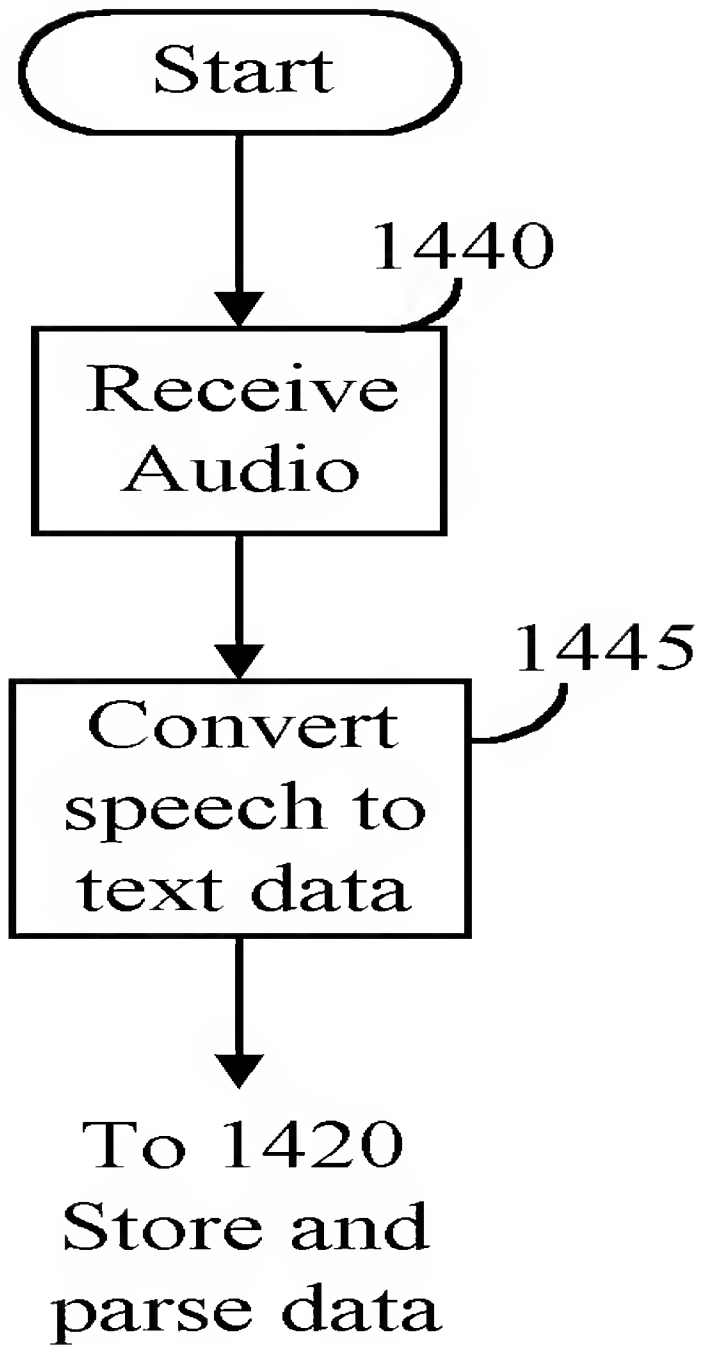


Fig. 14b

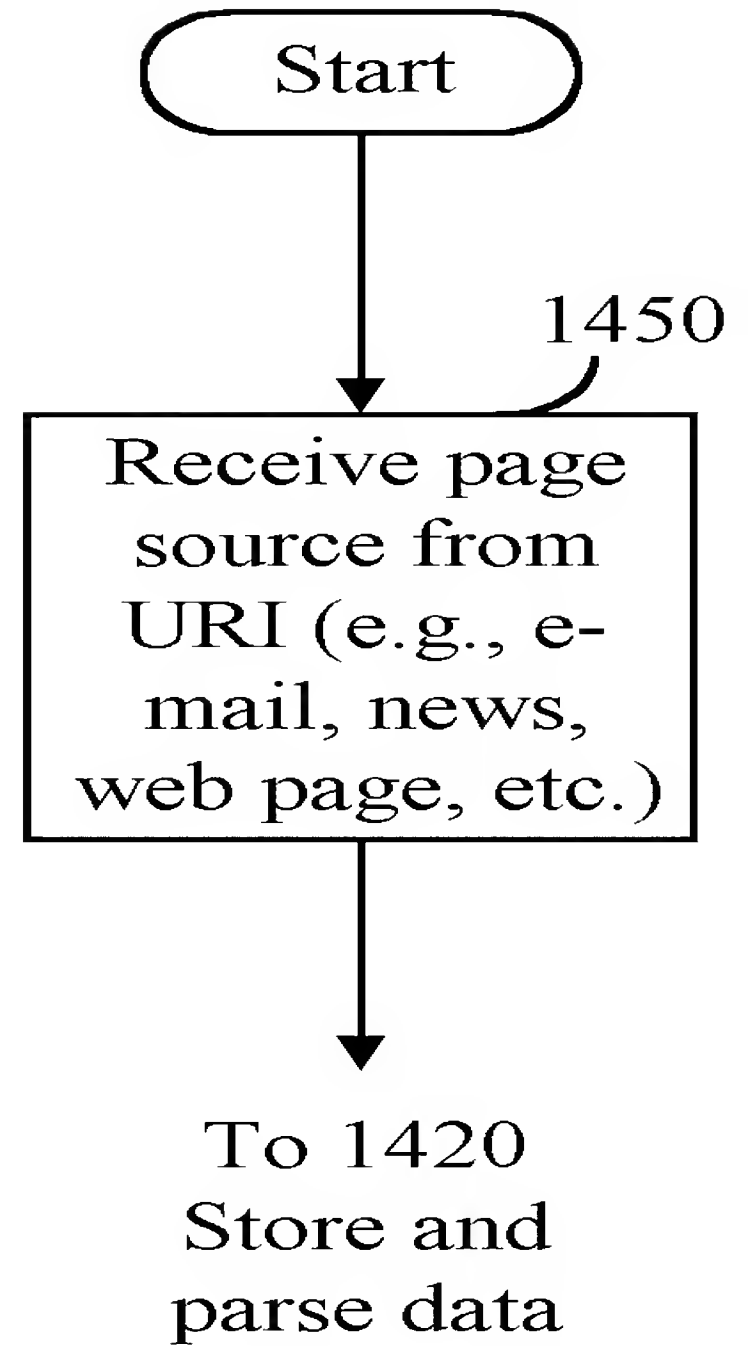


Fig. 14c

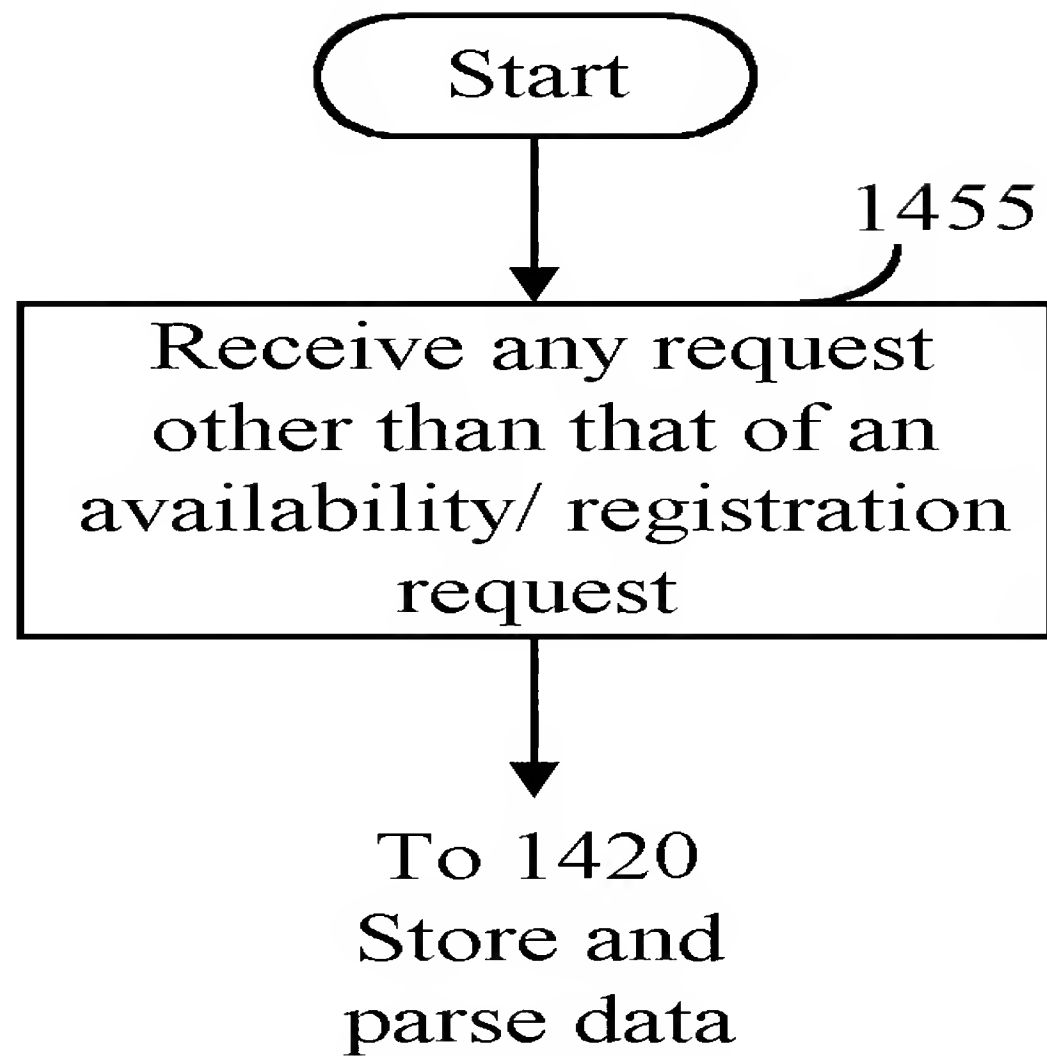


Fig. 14d

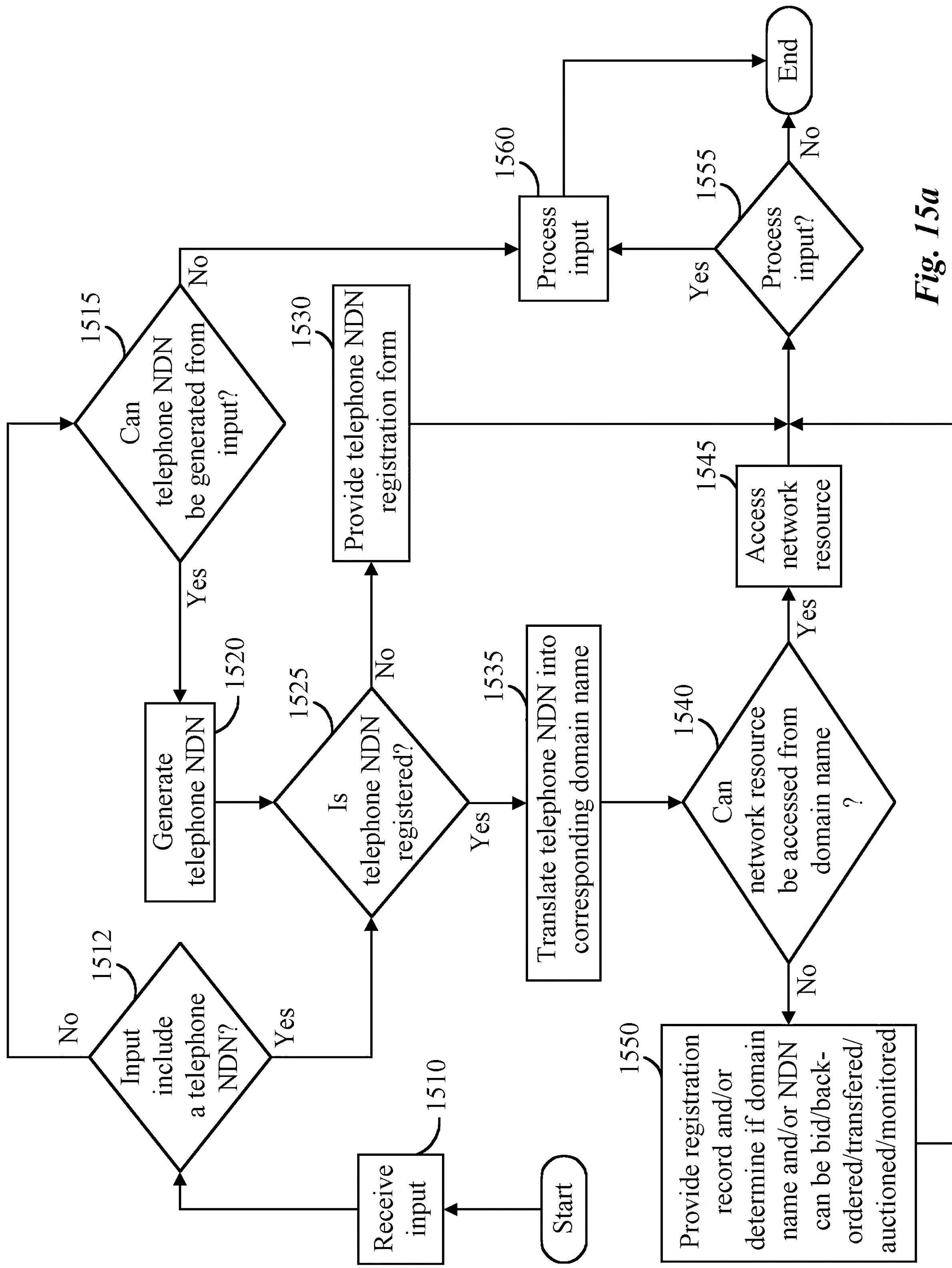


Fig. 15a

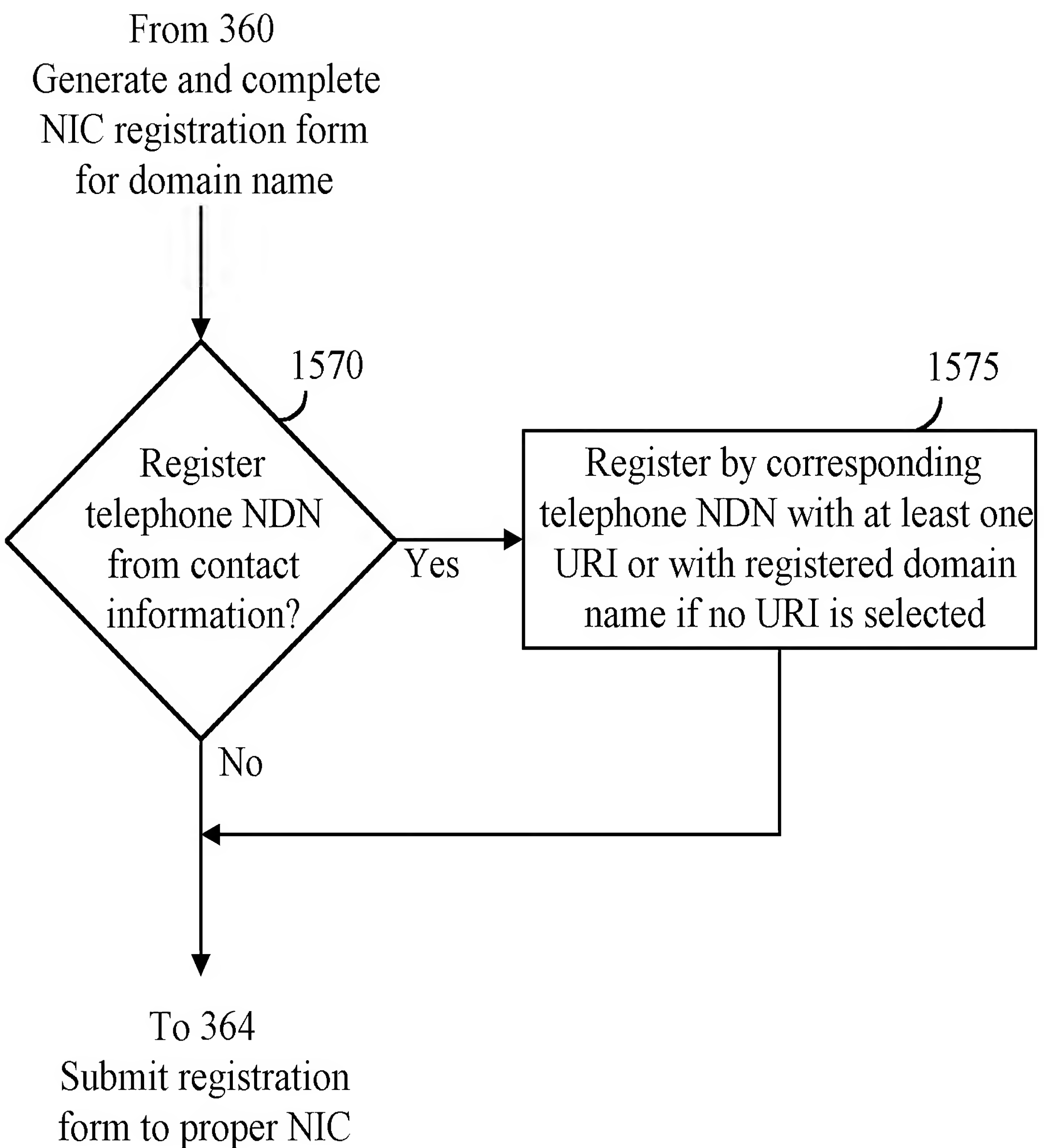


Fig. 15b

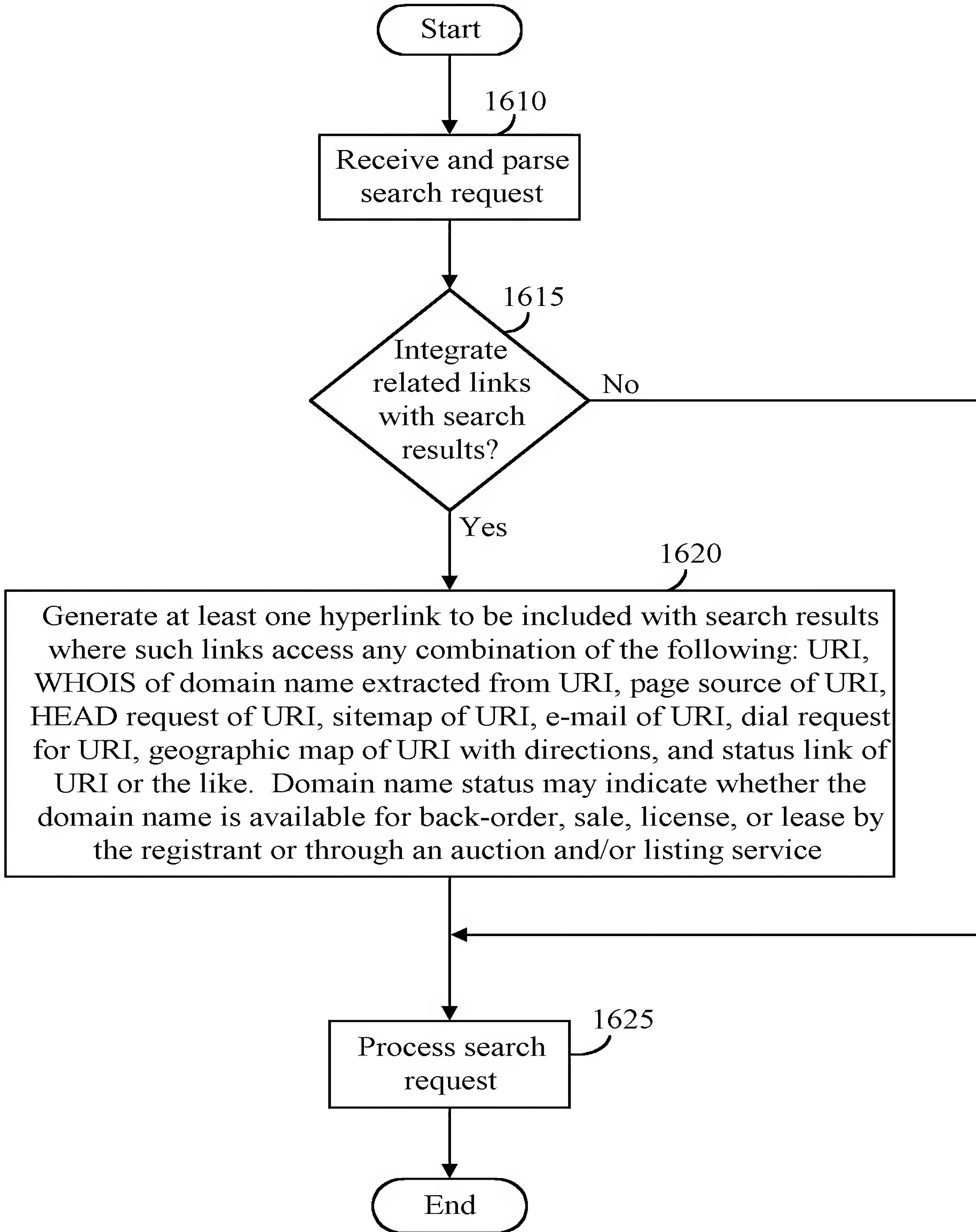


Fig. 16

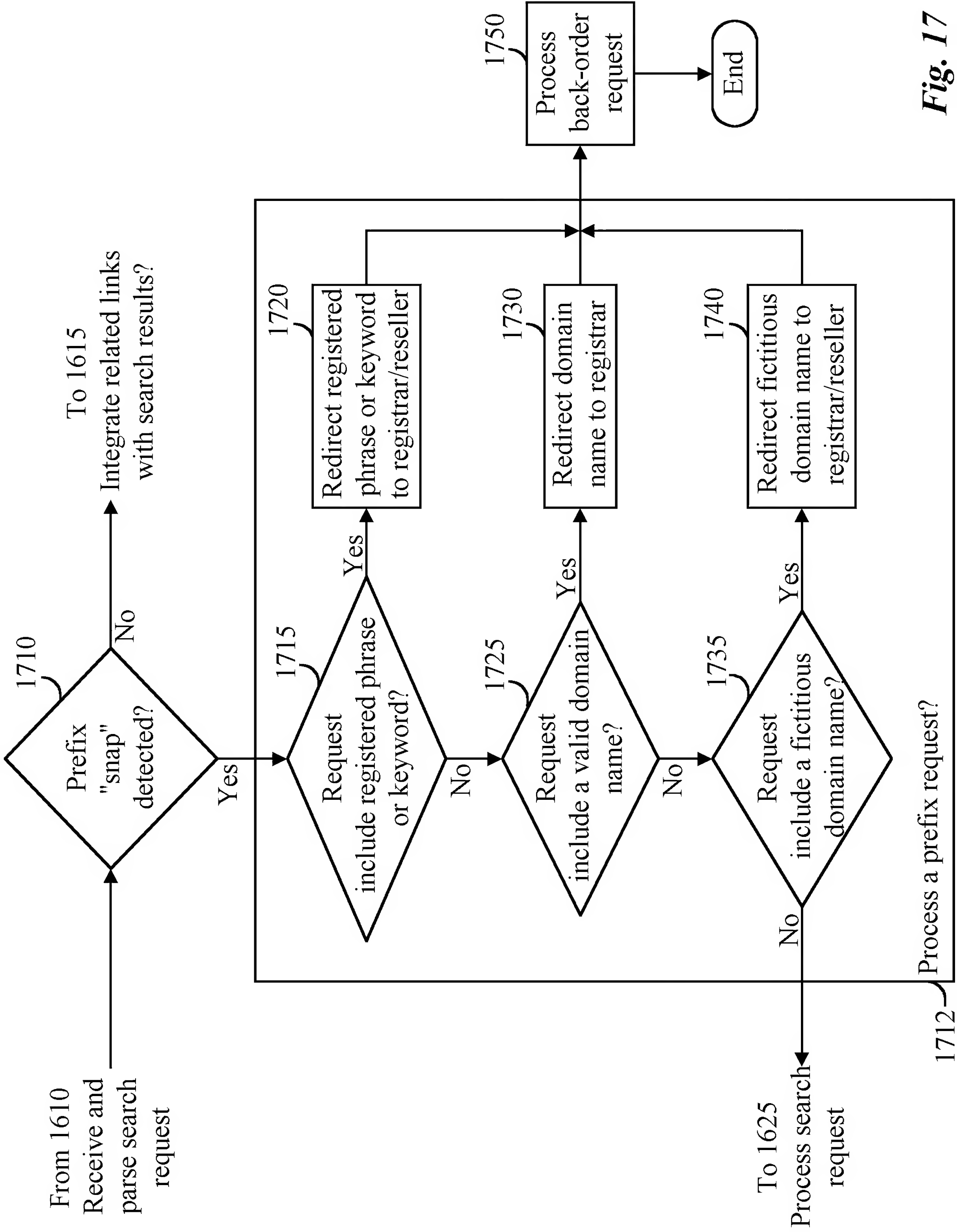



Fig. 17

1. SoftwarePatent.com : Software Patent Resources.  SoftwarePatent.com provides resources and links for: patent searching, laws, case, intellectual property organizations. All links are software, internet and computer patent related 99% 9/16/99 <http://www.softwarepatent.com/>
2. Software Patent Resource has moved to <http://www.softwarepatent.com> Software Patent Resource has moved to <http://www.softwarepatent.com> 98% 9/15/99 <http://www.longest.com/spn/spn.shtml>
3. Patent Explorer / Software Subset
Rapid Patent, in association with Electronic Data Systems (EDS), has developed a single CD-ROM which holds all previously inaccessible software patent data. There are over 7,000 software patents covering 20 years from 1972. Full text searchable 98% 9/4/99 <http://law.cd-rom-directory.com/cdprod1/cdhrec/002/509.shtml>
4. Recent Software Patent Developments In The United States
Recent Software Patent Developments In The United States John V. Swinson* Abstract This article examines recent U.S. developments in patent law concerning computer software. The cases discussed are appellate decisions of the Court of Appeals.. 98% 9/24/99 <http://www.comlaw.utas.edu.au/law/jlis/patents.html>

1. [SoftwarePatent.com](http://www.softwarepatent.com) : [Software Patent Resources](http://www.softwarepatent.com).

[WHOIS](http://www.softwarepatent.com)

[SoftwarePatent.com](http://www.softwarepatent.com) provides resources and links for: patent searching, laws, case, intellectual property organizations. All links are software, internet and computer patent related

99% 9/16/99 <http://www.softwarepatent.com/>

2. [Software Patent Resource](http://www.softwarepatent.com) has moved to <http://www.softwarepatent.com>

[WHOIS](http://www.softwarepatent.com) [Homepage](http://www.softwarepatent.com) [Send E-mail](mailto:softwarepatent.com) [Dial Registrant](http://www.softwarepatent.com) [Map/Directions](http://www.softwarepatent.com)

[Software Patent Resource](http://www.softwarepatent.com) has moved to <http://www.softwarepatent.com>

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3. [Patent Explorer / Software Subset](http://www.patentexplorer.com)

[Monitoring](http://www.patentexplorer.com) [Bid](http://www.patentexplorer.com) [Auction](http://www.patentexplorer.com)

[Back-Order](http://www.patentexplorer.com) [After Market Status](http://www.patentexplorer.com)

[Rapid Patent](http://www.patentexplorer.com), in association with Electronic Data Systems (EDS), has developed a single CD-ROM which holds all previously inaccessible software patent data. There are over 7,000 software patents covering 20 years from 1972. Full text searchable

98% 9/4/99 <http://law.cd-rom-directory.com/cdprod1/cdhrec/002/509.shtml>

4. [Recent Software Patent Developments In The United States](http://www.recentsoftwarepatent.com)

[WHOIS](http://www.recentsoftwarepatent.com) [Homepage](http://www.recentsoftwarepatent.com) [Sitemap](http://www.recentsoftwarepatent.com)

[MetaTag Info](http://www.recentsoftwarepatent.com) [Page Source](http://www.recentsoftwarepatent.com)

[Recent Software Patent Developments In The United States John V. Swinson*](http://www.recentsoftwarepatent.com) Abstract This article examines recent U.S. developments in patent law concerning computer software. The cases discussed are appellate decisions of the Court of Appeals..

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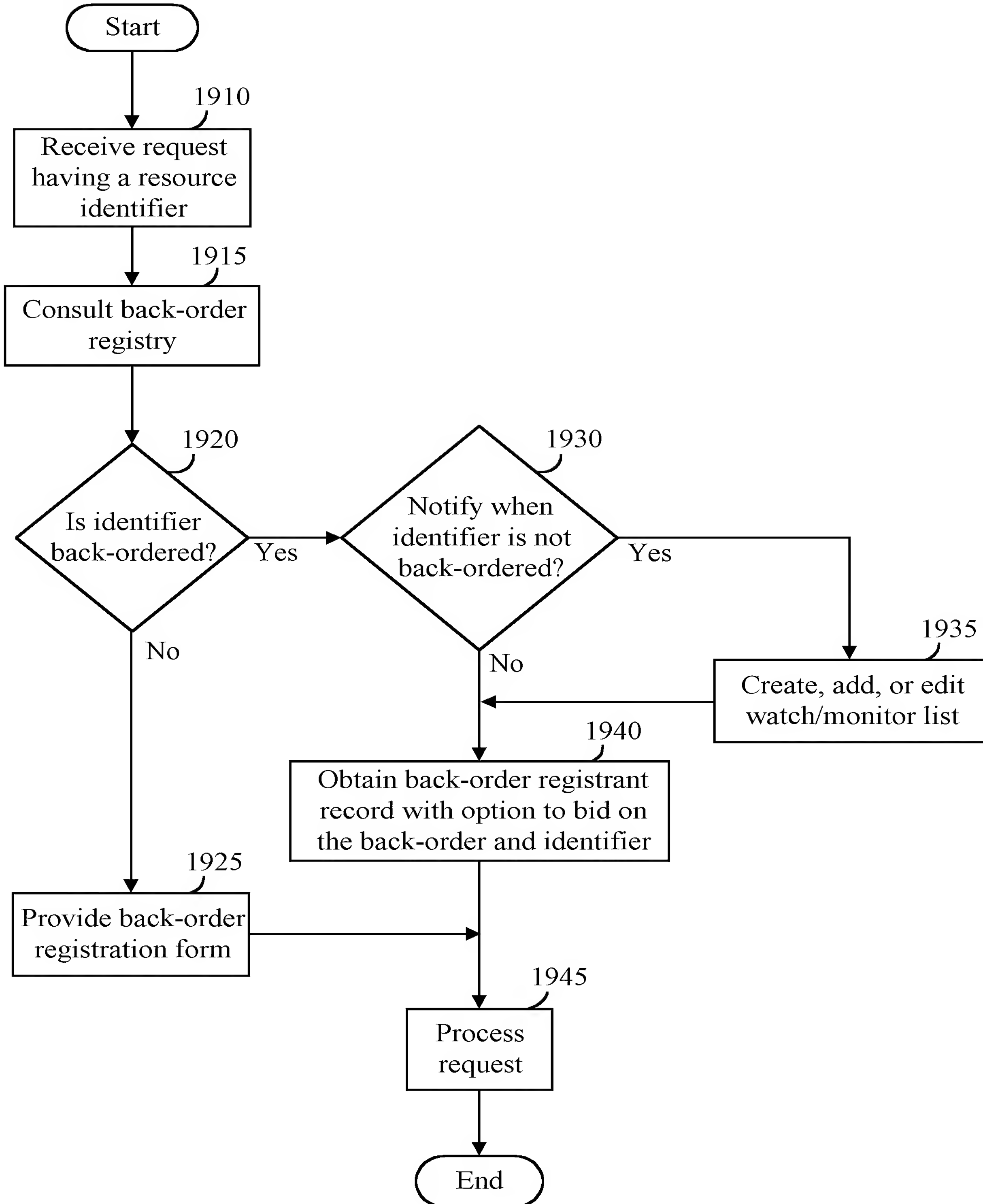


Fig. 19